


DENIOS

ENVIRONMENTAL PROTECTION
& WORK SAFETY



Hazardous Materials Storage | Industrial Supplies | Work Safety Equipment

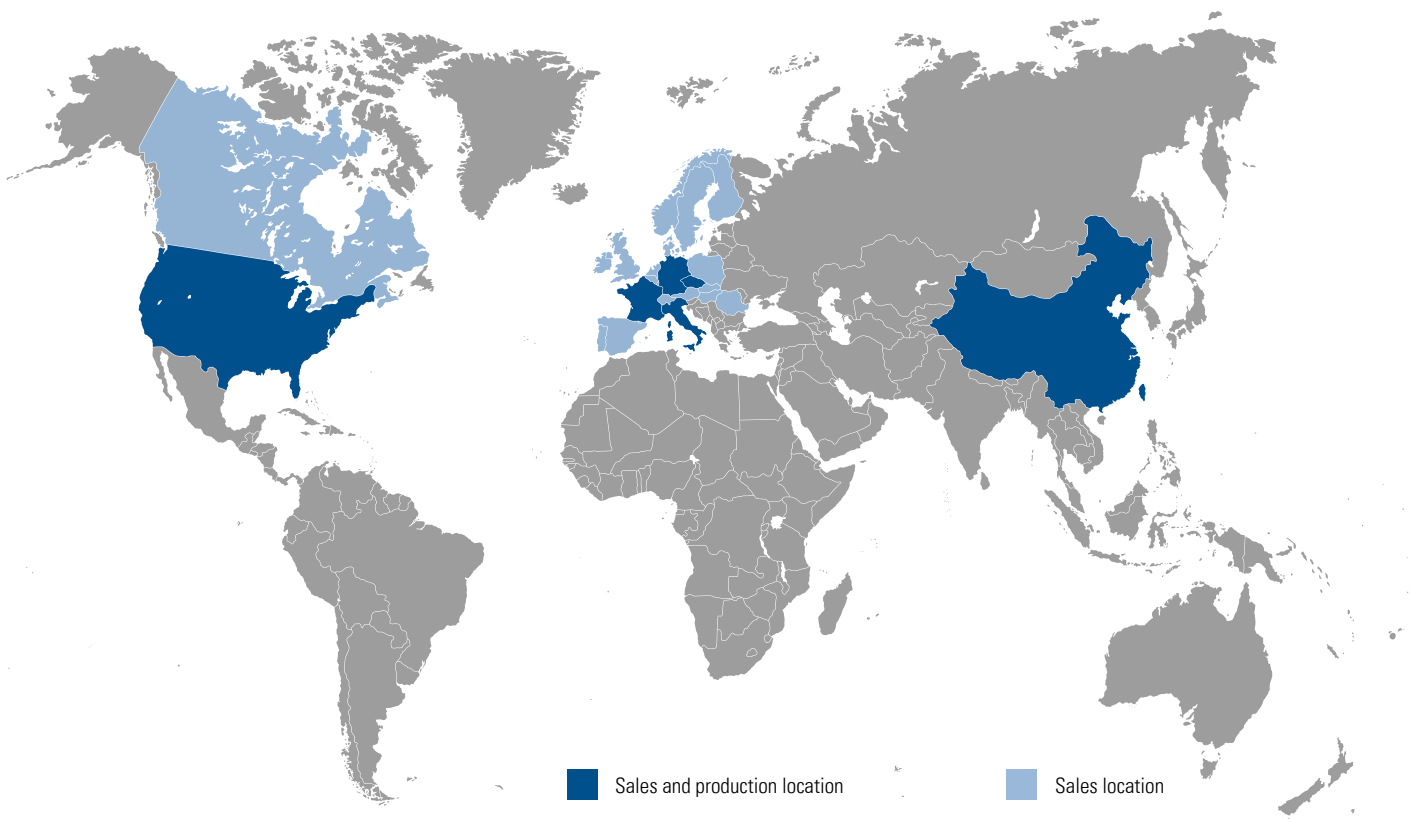
01952 811 991 | www.denios.co.uk



WORKING WITH SUSTAINABILITY IN MIND.

As a developer, manufacturer and supplier of trend-setting environmental technology, our passion is the protection of people and natural resources as well as working responsibly alongside nature. This attitude has been the basis of our daily activities for more than 30 years. And it determines the way we look at the future. Only in this way can we succeed in leaving the environment intact for future generations. This has to be our shared goal.

Helmut Dennig
Helmut Dennig



We are your international partner.

Our competence as a manufacturer is valued worldwide. DENIOS AG is represented at 25 sales locations and six production sites. And we speak 23 languages in our online shop. We are your global partner and problem solver, we understand your local legislation and we'll support your project right from first idea to finished product. Read about what we're doing for you from page 218.

DENIOS International

Austria	www.denios.at +43 6225 20 533	Germany	www.denios.de +49 5731 753-0	Slovakia	www.denios.sk +421 32 743 04 67
Belgium	www.denios.be +32 353120087	Ireland	www.denios.ie +44 2891 240 644	Spain	www.denios.es +34 876 26 83 03
Canada	www.denios.ca +1 905 952 5309	Italy	www.denios.it +39 010 9636743	Sweden	www.denios.se +46 36 395660
China	www.denios.cn +86 519 8299 9558	Netherlands	www.denios.nl +31 172 506466	Switzerland	www.denios.ch +41 56 417 60 60
Czech Republic	www.denios.cz +420 383 313 224-7	Norway	www.denios.no +47 800 32 950	Tschechien	www.denios.cz +420 383 313 224-7
Denmark	www.denios.dk +45 76 24 40 80	Poland	www.denios.pl +48 22 279 40 00	USA	www.denios-us.com +1 502 9337272
Finland	www.denios.fi +358 20 735 4960	Portugal	www.denios.pt +351 800 113 146		
France	www.denios.fr +33 2 32 43 72 80	Romania	www.denios.ro +40 365 410 572		

DENIOS Ltd.
Nova House Suite 1
Audley Ave Enterprise Park
Newport
Shropshire
TF10 7DW

**Telephone orders &
Technical assistance:**
01952 811 991
info@denios.co.uk

www.denios.co.uk

- For prices and to place orders pls visit our onlineshop:
<https://www.denios.co.uk>
- Minimum Order Value £200, net (VAT not included)
- For order less than £200, net we must charge £33 handling fee



1

Hazardous material storage

6

Spill trays for small containers in steel and stainless steel	10
Spill pallets in steel for drums and small containers	16
Spill pallets for drums and small containers in stainless steel	26
Bunded steel drum trolleys, for 205 litre drums	28
Dispensing stations for drums and small containers	30
Hazardous materials depots in steel	32
Spill pallets and dispensing stations in steel for IBCs	34
Spill pallets and dispensing stations for IBCs in stainless steel	45
Surface protection systems in steel	46
Polyethylene spill trays	50
Spill pallets in plastic for 205 litre drums	56
Spill pallets and dispensing stations for IBCs in plastic	72
Surface protection systems in plastic	80
Hazardous substances racking for small containers	82
Drum, pallet and combi shelving	89
Chemicals cabinets	110
Acids and alkalis cabinets	124
Hazardous materials cabinets	138
Bunded drum cabinets	180
Gas cylinder cabinets and stores	202
Liquid gas storage	210
Fire-rated gas cylinder storage	212
Technical room systems	214
Hazmat storage containers	218
Walk-in hazmat store	222
Compact hazardous materials stores	226
Hazardous materials storage containers with shelving	230
Fire-rated storage containers	242
Compact fire-rated storage containers	246
Fire-rated storage containers with shelving	250
Equipment for hazmat stores	264
Service & maintenance	278
Heating chambers and boxes	284

2

Handling hazardous materials

288

Drum and container pumps, mixers	292
Drum, gas cylinder and IBC heating jackets	316
Drum, gas cylinder and IBC heating jackets, for Ex zones	318
Heating belts and base heating plates for drums	321
Earthing cables and systems	322
Lubrication technology, cable reels and liquid mixers	326
Drum accessories, drum taps and drum funnels	327
Drum dollies and trolleys	342
Drum tongs	349
Drum lifters and forklift attachments	352
Gas cylinder handling	366
DENSORB absorbent fleece products and oil barriers	368
DENSORB leak emergency spill kits	402
DENSORB absorbent granules	415
SpillGuard® hazardous substance leak warning system	420
Drain sealing system	422
Leak containment systems and drum bandages	427
Leak spill pallets	428
Safety drums and drum overpacks	430

EXPERTISE

EXPERT ADVICE

SERVICE

See page:
8, 108, 136, 158, 178, 206, 214,
216, 240, 260, 264, 278, 284,
286, 290, 292, 306, 368, 370

3	Fuel tanks and transport containers	432
	Storage and waste tanks	434
	Drums, IBCs, canisters	440
	Safety jugs and containers	458
	FALCON dispensing jugs Lubriflex	464

4	Work safety equipment	474
	Eyewash stations and body showers	476
	Safe workplace flooring, anti-fatigue matting	482

5	Cleaning and Disposal	496
	Biological parts cleaning bio.x	498
	Small parts cleaners	504
	Spray cans and plunger cans	506
	Magnetic collectors for metal scrap	510
	Liquid vacuum cleaners, oil tape skimmers and safety vacuum cleaners	512
	Waste oil and hazardous materials collection	516

6	Production and operation equipment	520
	Transport- and platform trolleys	522
	Pallet truck	530
	Polyethylene tipping skips	536
	Tipping skips and stacking containers in steel	540
	Plastic stackable containers	542
	Stacking systems, mesh boxes and accessories	546
	Open-fronted storage bins and shelf bins	548
	Big bags	552
	Grit bin	554
	Work chairs and stools	556
	Cable bridges	568
	Safety mirrors	570
	Security and locking equipment	574
	Industrial scales	576
	Spark-free tools, for Ex zones	578



1

HAZARDOUS MATERIAL STORAGE

SET UP FOR SAFETY

Whether storing aggressive chemicals, water polluting products or flammables in small containers, drums or IBCs and no matter which hazardous substance you need to store in which container, we have the answer.



16 Spill pallets in steel for drums and small containers



26 Spill pallets for drums and small containers in stainless steel



28 Bunded steel drum trolleys, for 205 litre drums



30 Dispensing stations for drums and small containers



32 Hazardous materials depots in steel



34 Spill pallets and dispensing stations in steel for IBCs



45 Spill pallets and dispensing stations for IBCs in stainless steel



46 Surface protection systems in steel



50 Polyethylene spill trays



56 Spill pallets in plastic for 205 litre drums



72 Spill pallets and dispensing stations for IBCs in plastic



82 Hazardous substances racking for small containers



89 Drum, pallet and combi shelving



110 Chemicals cabinets



124 Acids and alkalis cabinets



138 Hazardous materials cabinets



**180**

Bunded drum cabinets

**202**

Gas cylinder cabinets and stores

**210**

Liquid gas storage

**212**

Fire-rated gas cylinder storage

**214**

Technical room systems

**218**

Hazmat storage containers

**222**

Walk-in hazmat store

**226**

Compact hazardous materials stores

**230**

Hazardous materials storage containers with shelving

**242**

Fire-rated storage containers

**246**

Compact fire-rated storage containers

**250**

Fire-rated storage containers with shelving

**264**

Equipment for hazmat stores

**278**

Service & maintenance

**284**

Heating chambers and boxes



3 STEPS TO THE RIGHT PRODUCT.

1 Which substances do you want to store?

Spill pallets need to be selected in the correct material, as only the correct spill pallet material ensures optimum resistance to the stored media. Spill pallets in steel are ideal for storing water-polluting, flammable substances, for example oils and paints, either in a galvanised or painted version. When storing aggressive chemicals such as acids and alkalis, spill pallets in stainless steel or plastic are required.

Steel spill pallets

- For flammable and water-polluting liquids

from page
10

Stainless steel spill pallets

- For especially aggressive, flammable and water-polluting liquids

from page
11

Plastic spill pallets

- For water-polluting and aggressive substances such as acids and alkalis

from page
50

We recommend taking a look at the safety datasheets for the substances to be stored to help select the right material for the spill pallet.

You should find all the relevant information for storage and transport there. Our media resistance list will also provide useful information on suitable materials for the most varied stored media.

2 What containment volume is needed?

As a rule of thumb, a spill pallet must be able to contain at least 10% of the total stored volume, but at least the contents of the largest stored container. In as far as the storage of water-polluting substances is permitted in water protection areas, a spill pallet in this case must be able to contain 100% of the total stored volume. Different regulations apply if the quantity stored exceeds 100 m³.

Depending on whether you want to store small containers, 60 or 205 litre drums, 1000 litre containers or various containers together, we offer quality products in every size.

3 Do you need special functionality?

Simple storage

- In steel: from page 10
- In stainless steel: from page 11
- In plastic: from page 50

Mobile spill pallets

- In steel: from page 16
- In plastic: from page 51

Dispensing stations

- In steel: from page 30
- In plastic: from page 73

Surface protection systems

- In steel: from page 46
- In plastic: from page 80

DENIOS
onlineshop



Your ideal product is just a few clicks away!

visit www.denios.co.uk



MEDIA RESISTANCE LIST

Corrosion resistance of the materials used to make the spill pallet and their compatibility with the substances stored must be demonstrated. For many chemical substances steel spill pallets (1.0038) may be used. For corrosive substances (acids / alkalis) in particular, the use of plastic (polyethylene) spill pallets is often required. High levels of protection, especially against many aggressive liquids, is offered by stainless steel. If no information is given in the resistance lists, the material of the spill pallet may be the same material as the transport container.

Chemical stored	Concentration	Steel ^{1),4)}	S-Steel ²⁾	PE ³⁾
Acetaldehyde	≤ 40%		•	
Acetaldehyde	max. poss		•	
Acetic acid			•	
Acetone		•	•	
Adhesives		•	•	
Aircraft turbine fuel		•	•	
Alcohol		•	•	
Ammonium hydroxide	≤ 30%		•	•
Ammonium nitrate	saturated		•	•
Ammonium solution			•	•
Anti-freeze (car)			•	•
Battery acid	≤ 38%		•	•
Benzene		•	•	
Benzoic acid			•	•
Bio-Diesel		•	•	
Boric acid	≤ 10%		•	•
Brake fluid		•	•	•
Bromine		•	•	
Butanoic acid			•	
Butanol	max. poss.	•	•	
Calcium acetate	aqueous		•	•
Calcium chlorate, aqueous solution	≤ 65%	•	•	
Calcium hydroxide			•	•
Calcium hypochlorite	saturated		•	•
Chlorobenzene		•	•	
Chloric acid	≤ 20%		•	•
Chlorine	≤ 97%		•	•
Chloroacetic acid	≤ 50%		•	•
Chromic acid	≤ 20%		•	•
Citric acid	≤ 10%		•	•
Crude oil		•	•	
Dichlorethylene	max. poss.		•	
Dichloromethane		•	•	
Diesel fuel		•	•	
Ether		•	•	
Ethyl acetate		•	•	
Ethyl chloride		•	•	
Ethylene glycol		•	•	
Ferric (III) sulphate	saturated		•	•
Ferric (III) chloride	saturated		•	•
Ferric (III) sulphate	saturated		•	•
Formic acid		•	•	
Fuel		•	•	
Gearbox oil, (Hypoid), 110°C		•	•	
Glycerol		•	•	
Glycolic acid	≤ 37%		•	•
Glycolic acid	≤ 70%		•	•
Heated steam motor oil, odour free		•	•	•
Heating oil		•	•	
Hydrazine	≤ 10%		•	•
Hydrazine hydrate	aqueous		•	•
Hydrochloric acid	concentrated		•	•
Hydrogen cyanide			•	•
Hydrogen peroxide	≤ 60%		•	•
Isobutanol		•	•	
Isobutyl acetate		•	•	
Isobutyl chloride		•	•	
Isobutyl ether		•	•	

1) Painted (WN 1.0038) or galvanised (1.0242) steel,

2) Stainless steel 1.4301 (V2A),

3) Polyethylene (PE)

Chemical stored	Concentration	Steel ^{1),4)}	S-Steel ²⁾	PE ³⁾
Iso-hexane		•	•	
Iso-pentane		•	•	
Isopropyl alcohol (Isopropanol)		•	•	
Kerosene		•	•	
Magnesium carbonate	saturated		•	•
Magnesium chloride	aqueous		•	•
Magnesium nitrate	saturated		•	•
Magnesium sulphate			•	•
Menthol	solid		•	
Methanol		•	•	
Methyl acetat		•	•	
Methyl acrylate			•	
Methyl alcohol			•	
Methyl chloride		•	•	
Motor fuel		•	•	
Nitric acid	≤ 10%		•	•
Nitrobenzene		•	•	
Nitro methane		•	•	
Oil		•	•	•
Oleic acid	max. poss.		•	•
Pentanol		•	•	
Petroleum	max. poss.		•	•
Petroleum spirit		•	•	
Phenol	100%	•	•	
Phosphoric acid	≤ 5%		•	•
Potassium carbonate			•	•
Potassium chlorate			•	•
Potassium chloride	aqueous		•	•
Potassium chloride	≤ saturated sol.		•	•
Potassium hydroxide, aqueous sol.	50%	•	•	•
Potassium nitrate	50%		•	•
Potassium nitrate	≤ saturated sol.		•	•
Potassium phosphate	≤ saturated sol.		•	•
Potassium sulphate	≤ saturated sol.		•	•
Propanol		•	•	
Propionic acid			•	•
Salicylic acid	saturated		•	•
Silicic acid			•	•
Sodium acetate			•	•
Sodium bisulphate			•	•
Sodium bisulphite	aqueous		•	•
Sodium carbonate			•	•
Sodium chloride			•	•
Sodium hydrogen sulphate	≤ saturated sol.		•	•
Sodium hydrogen sulphide, aqu. sol.	30%	•	•	•
Sodium hydrogen sulphite	≤ saturated sol.		•	•
Sodium hydroxide, aqueous sol.	50%	•	•	•
Sodium hypochlorite solution	≤ saturated sol.		•	•
Sodium sulphate			•	•
Sodium sulphide	≤ saturated sol.		•	•
Spirits of turpentine		•	•	
Sulphuric acid	≤ 78%		•	•
Sulphuric acid	95%		•	•
Sulphurous acid	saturated		•	•
Toluene		•	•	
Urea			•	•
Uric acid			•	•
Xylene		•	•	

4) Galvanised sump pallets are not suitable for the storage of the following liquids: organic and inorganic acids, sodium bicarbonate, caustic potassium carbonate solution as well as other alkali hydroxides, chlorinated hydrocarbons, amine, nitro compounds, acid chlorides and other chlorides, phenol, aqueous alkaline solutions, nitrile products.

INNOVATION



The right addition to the right product:
SpillGuard® hazardous substance leak warning system

See page
420-421



Spill trays for small containers DENIOS classic-line, 7 to 44 litre containment volume



Spill trays for small containers DENIOS classic-line
- solutions for the storage of small containers.

Ideal for use in the workplace, e.g. on the workbench. Store hazardous substances directly at the place of use.
The sturdy plastic feet protect against corrosion and prevent damage to work surfaces and flooring.

- Can be stacked to save space
- Welded design - safe and long lasting
- **In high quality powder coated steel for optimum corrosion protection**
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



Go online! Discover even more
exciting product highlights!

» www.denios.co.uk



classic-line
by DENIOS ■ ■



Sump capacity [l]	7	11	15	22	29	44
External dimensions W x D x H [mm]	250 x 400 x 95	250 x 600 x 95	500 x 400 x 95	500 x 600 x 95	987 x 400 x 95	987 x 600 x 95
Order number Without cover	250-830-J1	250-831-J1	250-832-J1	250-833-J1	250-834-J1	250-835-J1
Order number With galvanised perforated plate	250-836-J1	250-837-J1	250-838-J1	250-839-J1	250-840-J1	250-841-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

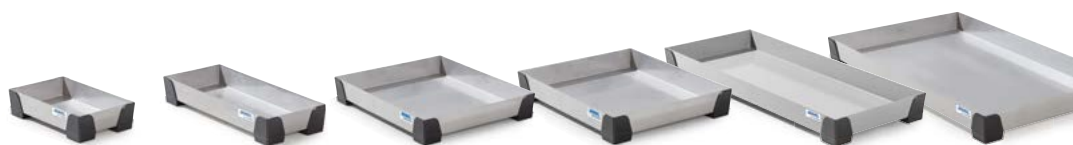
Spill trays for small containers DENIOS pro-line stainless steel, 7 to 44 litre containment volume

Ideal for use in the workplace, e.g. on the workbench. Store hazardous substances directly at the place of use. In rust-free stainless steel, long term corrosion protection even when storing aggressive chemicals. The sturdy plastic feet protect against corrosion and prevent damage to work surfaces and flooring.

- Can be stacked to save space
- Welded design - safe and long lasting
- **In stainless steel - long-term corrosion protection even when storing aggressive chemicals**
- Small containers can be placed directly inside or stored on a stainless steel perforated plate
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



pro-line
by DENIOS



Sump capacity [l]	7	11	15	22	29	44
External dimensions W x D x H [mm]	250 x 400 x 95	250 x 600 x 95	500 x 400 x 95	500 x 600 x 95	987 x 400 x 95	987 x 600 x 95
Order number Without cover	250-842-J1	250-843-J1	250-844-J1	250-845-J1	250-846-J1	250-847-J1
Order number With stainless steel perforated plate	250-848-J1	250-849-J1	250-850-J1	250-851-J1	250-852-J1	250-853-J1



Spill trays for small containers DENIOS classic-line, 25 to 102 litre containment volume

Optimum combination on Euro or chemical pallets. Store hazardous substances directly where they are needed. Stable plastic feet protect from corrosion and protect industrial and laboratory flooring.

- Welded design - safe and long lasting
- In high quality powder coated steel for optimum corrosion protection
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



Use the classic-line spill trays for small containers

- as stationary trays directly in the workplace or
- for transport on a Euro pallet for example - combined together in various sizes



classic-line

by DENIOS ■ ■



Sump capacity [l]	25	38	50	76	102
External dimensions W x D x H [mm]	392 x 392 x 200	584 x 392 x 200	774 x 392 x 200	774 x 584 x 200	774 x 774 x 200
Order number Without grid	250-676-J1	250-679-J1	250-681-J1	250-684-J1	250-687-J1
Order number With plastic grid	250-688-J1	250-689-J1	250-690-J1	250-691-J1	250-692-J1
Order number With galvanised perforated plate	250-693-J1	250-694-J1	250-697-J1	250-695-J1	250-696-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

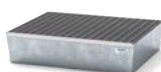
Spill trays for small containers DENIOS classic-line, for up to 2 x 60 litre drums

Especially compact space-saving design. Optimised foot design simplifies handling using a pallet truck or forklift and makes internal transport easy.

- Optimum corrosion protection with high-quality galvanising or powder coating
- Welded design - safe and long lasting
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



classic-line
by DENIOS ■ ■



Version	Not accessible		Accessible underneath	
Storage capacity for 60 litre drums	1	2	1	2
Sump capacity [l]	80	80	80	80
Overall load capacity [kg]	400	400	400	400
External dimensions W x D x H [mm]	635 x 785 x 178	635 x 785 x 178	635 x 785 x 278	635 x 785 x 278
Grid	without	galvanized	without	galvanized
Order number powder coated	259-367-J1	259-371-J1	259-369-J1	259-373-J1
Order number galvanized	259-368-J1	259-372-J1	259-370-J1	259-374-J1



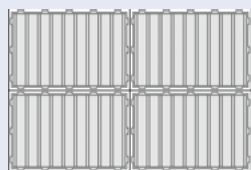
Spill trays for small containers DENIOS classic-line, 20 to 60 litre containment volume

Especially compact and space saving. Store hazardous substances directly where they need to be used.

- Welded design - safe and long lasting
- In galvanised steel for optimum corrosion protection
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



Possible combinations:



4 spill trays for small containers
4 x Model KBS 20, (4 x 20 litre)



3 spill trays for small containers
2 x Model KBS 20, (2 x 20 litre),
1 x Model KBS 40 (1 x 40 litre)



2 spill trays for small containers
2 x Model KBS 40, (2 x 40 litre)



1 small container spill tray
1x Model KBS 60 (1x 60 litre)

classic-line
by DENIOS

Sump capacity [l]	20	40	60
Overall load capacity [kg]	50	100	200
External dimensions W x D x H [mm]	400 x 600 x 120	600 x 800 x 120	766 x 1186 x 100
Order number	179-763-J1	179-764-J1	179-765-J1
Accessories	Grid		
Order number Galvanised grid	182-710-J1	182-711-J1	182-712-J1



Small container trays are optionally
available with galvanised grids.



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Spill trays for small containers in steel and stainless steel

1

Spill trays for small containers DENIOS classic-line, 21 to 42 litre containment volume

Especially compact and space saving. Store hazardous substances directly where they need to be used.

- Welded design - safe and long lasting
- In high quality powder coated steel for optimum corrosion protection
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



Hot dip galvanised perforated plate or spill pallet floor as storage surface



classic-line
by DENIOS ■ ■

Sump capacity [l]	21	32	28	42
External dimensions W x D x H [mm]	987 x 400 x 75	987 x 600 x 75	1287 x 400 x 75	1287 x 600 x 75
Order number	252-344-J1	252-350-J1	252-356-J1	252-359-J1
Accessories	Perforated plate covers, galvanised			
Order number	195-283-J1	195-284-J1	195-285-J1	195-286-J1



The perforated plate is easy to remove, for cleaning for example

Spill trays for small containers DENIOS classic-line stainless steel, 23 to 62 litre containment volume

Especially compact and space saving. Store hazardous substances directly where they need to be used. In rust-free stainless steel - long-term corrosion protection even when storing aggressive chemicals.

- Welded design - safe and long lasting
- In stainless steel - long-term corrosion protection even when storing aggressive chemicals
- Small containers can be placed directly inside or stored on a stainless steel perforated plate
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes



classic-line
by DENIOS ■ ■

Sump capacity [l]	23	36	50	48	62
External dimensions W x D x H [mm]	310 x 545 x 145	310 x 845 x 145	510 x 845 x 120	310 x 1145 x 140	510 x 1145 x 110
Order number	183-506-J1	183-507-J1	183-508-J1	183-509-J1	183-510-J1
Accessories	Perforated plate covers, stainless steel				
Order number	195-289-J1	195-290-J1	195-291-J1	195-292-J1	195-293-J1



Mobile spill pallet DENIOS base-line, for 1 x 205 litre drum

The cost-effective alternative for legally-compliant storage.

■ Quick delivery

- 2 fixed and 2 swivel castors in polyamide (PA)
- Welded steel design, 2 mm
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Meets the current legal requirements



Available
immediately!



base-line
by DENIOS ■



	Mobile spill pallet DENIOS base-line, for 1 x 205 litre drum
Storage capacity for 205 litre drums	1
Grid	galvanized
Features	2 swivel castors, 2 fixed castors
Sump Volume [l]	238
Overall load capacity [kg]	330
External dimensions W x D x H [mm]*	1350 x 815 x 995
Order number	255-188-J0

*Overall height including handle

Accessories	Order number
Cover for spill pallets with 2 x 205 litre drums	136-463-J0
Cover for spill pallets with 4 x 205 litre drums	136-465-J0
Drum support for 1 x 60/ 205 l drum	114-524-J0
Drum support for 3 x 60 l drums	114-530-J0
Drum support for 2 x 60 l/ 205 l drums	114-527-J0



Spill pallet DENIOS base-line, for up to 4 x 205 litre drums

The cost-effective alternative for legally-compliant storage.

- **Quick delivery**
- Forklift pockets for internal transport
- Welded steel design, 2 mm
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Meets the current legal requirements



Available
immediately!



DENIOS base-line - your basic
equipment for the storage of
hazardous substances.

**BEST
price**

Order at the same time

SpillGuard® hazardous substance leak
warning system

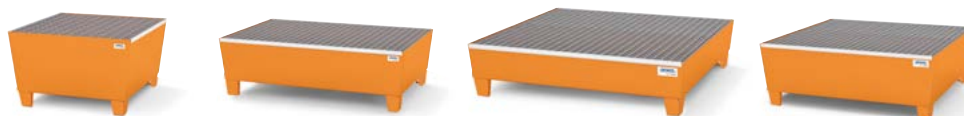
Order no. 271-433-J1



INNOVATION

See page
420-421

base-line
by DENIOS



	Spill pallet DENIOS base-line, for up to 4 x 205 litre drums			
	1	2	4	4
Storage capacity for 205 litre drums	1	2	4	4
Grid	galvanized	galvanized	galvanized	galvanized
Sump Volume [l]	238	235	270	485
Overall load capacity [kg]	330	660	1320	1320
External dimensions W x D x H [mm]	885 x 815 x 473	1236 x 815 x 350	1236 x 1210 x 285	1240 x 1210 x 425
Order number powder coated	255-187-J0	255-189-J0	255-190-J0	255-191-J0



Spill pallets DENIOS classic-line, for up to 2 x 205 litre drums

The especially compact, space-saving design and optimised foot construction simplify handling using a pallet truck or forklift and make internal transport easy.

- Welded design in steel - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



classic-line

by DENIOS ■■



Version Grid	Not accessible		Accessible underneath		
	without	galvanized	without	galvanized	without
Storage capacity for 205 litre drums	1	1	1	1	1
Features	—	—	—	—	Integral drum support
Sump Volume [l]	238	238	238	238	225
Overall load capacity [kg]	400	400	400	400	450
External dimensions W x D x H [mm]	885 x 815 x 378	885 x 815 x 378	885 x 815 x 478	885 x 815 x 478	866 x 866 x 423
Order number powder coated	259-294-J1	259-296-J1	259-298-J1	259-300-J1	182-582-J1
Order number galvanized	259-295-J1	259-297-J1	259-299-J1	259-301-J1	159-068-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years



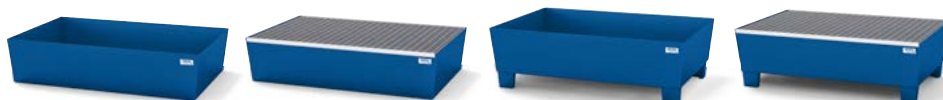
DENIOS classic-line - solutions for every application, e.g. storing up to 12 drums on a spill pallet, protecting large surface areas or dispensing and transporting hazardous substances.

PROVEN QUALITY,
NEW DESIGN

BESTSELLER

Galvanised or powder coated - for optimum corrosion protection

classic-line
by DENIOS



Version	Not accessible		Accessible underneath	
	without	galvanized	without	galvanized
Storage capacity for 205 litre drums	1	2	1	2
Sump capacity [l]	235	235	235	235
Overall load capacity [kg]	800	800	800	800
External dimensions W x D x H [mm]	1236 x 815 x 255	1236 x 815 x 255	1236 x 815 x 355	1236 x 815 x 355
Order number powder coated	259-302-J1	259-304-J1	259-306-J1	259-308-J1
Order number galvanized	259-303-J1	259-305-J1	259-307-J1	259-309-J1



Spill pallets DENIOS classic-line, for up to 4 x 205 litre drums

The especially compact, space-saving design and optimised foot construction simplify handling using a pallet truck or forklift and make internal transport easy.

- Welded design in steel - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



classic-line

by DENIOS ■ ■



Version	Accessible underneath	Accessible underneath
Grid	without	galvanized
Storage capacity for 205 litre drums	2	3
Sump capacity [l]	386	386
Overall load capacity [kg]	1200	1200
External dimensions W x D x H [mm]	2010 x 815 x 355	2010 x 815 x 355
Order number powder coated	259-310-J1	259-312-J1
Order number galvanized	259-311-J1	259-313-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Steel sump pallets for 205 litre drums

1

Order at the same time

SpillGuard® hazardous substance leak warning system

Order no. 271-433-J1



INNOVATION

See page
420-421



DENIOS classic-line - solutions for every application, e.g. storing up to 12 drums on a spill pallet, protecting large surface areas or dispensing and transporting hazardous substances.



Go online! Discover even more exciting product highlights!

» www.denios.co.uk



Spill pallets without grid available in the online shop.

classic-line
by DENIOS ■ ■



Version Grid	Not accessible		Accessible underneath	
	galvanized	galvanized	galvanized	galvanized
Storage capacity for 205 litre drums	4	4	4	4
Sump capacity [l]	265	485	265	485
Overall load capacity [kg]	1600	1600	1600	1600
External dimensions W x D x H [mm]	1236 x 1210 x 190	1240 x 1210 x 330	1236 x 1210 x 290	1240 x 1210 x 430
Order number powder coated	259-318-J1	259-326-J1	259-320-J1	259-328-J1
Order number galvanized	259-319-J1	259-327-J1	259-321-J1	259-329-J1



Spill pallets DENIOS classic-line, for up to 12 x 205 litre drums

Excellent for storing large quantities. Especially easy to load and unload thanks to low height of 250 mm. The optimised foot design simplifies handling using a pallet truck or forklift, making internal transport easy.

- Welded design in steel - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



Very low construction height:
250 mm

Order at the same time

Steel ramp, hot dip galvanised, height
adjustable from 150 to 270 mm,
dimensions W x D (mm): 1035 x 900,
Order no. 126-133-J1

classic-line

by DENIOS ■ ■



Grid	galvanized	galvanized	galvanized	galvanized
Storage capacity for 205 litre drums	4	4	8	12
Sump capacity [l]	280	480	425	650
Overall load capacity [kg]	1600	1600	3200	4800
External dimensions W x D x H [mm]	816 x 2470 x 250	2470 x 816 x 355	2455 x 1210 x 250	3670 x 1210 x 250
Weight [kg]	103	117	160	250
Order number powder coated	259-330-J1	259-332-J1	259-334-J1	259-336-J1
Order number galvanized	259-331-J1	259-333-J1	259-335-J1	—



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Spill pallets DENIOS classic-line, for up to 8 x 205 litre drums

Storage capacity for up to 3 Euro pallets or 2 chemical pallets. Extension for existing pallet racking.

- Acid-resistant spill pallet insert in polyethylene (PE) available as an option
- Welded design in steel - safe and long lasting
- Galvanised for optimum corrosion protection
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



Sumps are also suitable for retrofitting racks



Order at the same time

Polyethylene (PE) drum mounts

- With 180° rotation for 60- and 200-litre drums
- External dimensions W x D x H (mm): 475 x 620 x 390



Order no. 114-904-J1

classic-line
by DENIOS ■ ■



Storage capacity for 205 litre drums	4	4	6	8
Storage capacity alternative - Euro pallets	1	2	2	3
Storage capacity alternative - chemical pallets	1	1	1	2
Sump capacity [l]	490	460	560	700
Overall load capacity [kg]	1500	2000	2400	3000
External dimensions W x D x H [mm]	1300 x 1380 x 390	1300 x 1780 x 343	1300 x 2180 x 343	1300 x 2680 x 343
Order number galvanized	114-374-J1	114-375-J1	114-376-J1	114-377-J1
Accessories	Plastic inlay spill pallet			
Order number	114-330-J1	114-332-J1	114-334-J1	114-336-J1



Spill pallets DENIOS pro-line, for up to 8 x 205 litre drums

Electrically conductive plastic feet in polypropylene (PP) protect from corrosion and damage, protecting high value industrial flooring and saving space by allowing stacking. The optimised foot design simplifies handling using a pallet truck or forklift, making internal transport easy.

- Can be used in zone 1
- Special compact, space-saving design
- Removable hot dip galvanised grid as storage surface
- Can be stacked to save space
- Welded design in steel - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



pro-line
by DENIOS ■■■

Order at the same time



Drum support for 1 x 60/ 205 l drum, Order no. 114-524-J1



Drum support for 2 x 60 l/ 205 l drums, Order no. 114-527-J1



Drum support for 3 x 60 l drums, Order no. 114-530-J1



Polyethylene (PE) drum mounts, Order no. 114-904-J1



Cover for spill pallets with 2 x 205 litre drums, Order no. 136-463-J1

Cover for spill pallets with 4 x 205 litre drums, Order no. 136-465-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

 Certified and approved. The highest levels of environmental protection and safety.
denios.shop/certificates

 Custom-made products available upon request.



DENIOS
warranty **10**
years



Dissipative PP feet - can be used in zone 1

Galvanised or powder coated - for optimum corrosion protection

pro-line
by DENIOS



Storage capacity for 205 litre drums	2	4	4	8
Grid	galvanized	galvanized	galvanized	galvanized
Sump capacity [l]	235	265	280	425
Overall load capacity [kg]	800	1600	1600	3200
External dimensions W x D x H [mm]	1236 x 815 x 355	1236 x 1210 x 290	816 x 2470 x 250	2455 x 1210 x 250
Order number powder coated	259-347-J1	259-353-J1	259-355-J1	259-357-J1
Order number galvanized	259-348-J1	259-354-J1	259-356-J1	259-358-J1



Spill pallets DENIOS pro-line stainless steel, for up to 4 x 205 litre drums

Welded design in rust-free stainless steel - safe and long lasting. Long lasting corrosion protection even when storing aggressive chemicals. Forklift pockets allow easy internal transport using a forklift or pallet truck.

- **Welded design in rust-free stainless steel 1.4301 - safe & long lasting**
- Special compact, space-saving design
- 100 mm ground clearance
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate
- Removable grid in stainless steel 1.4301 or hot dip galvanised steel as storage surface



Stainless steel spill pallets
for IBCs

See page
45





All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Stainless steel drums

See page
444



DENIOS
warranty

10
years



pro-line
by DENIOS



Storage capacity for 205 litre drums	1	2	4	4
Sump capacity [l]	205	225	268	400
Overall load capacity [kg]	600	900	1400	1400
External dimensions W x D x H [mm]	850 x 870 x 430	850 x 1342 x 325	1260 x 1342 x 270	1260 x 1342 x 390
Order number Grid: galvanized	130-055-J1	130-056-J1	130-057-J1	178-410-J1
Order number Grid: stainless steel	128-287-J1	128-288-J1	128-289-J1	178-409-J1



Mobile spill pallets DENIOS classic-line

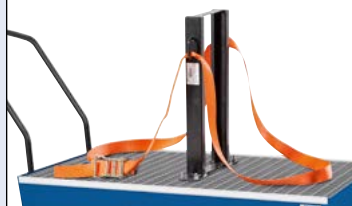
With wheels in polyamide (PA). The handle guarantees safe internal transport of hazardous substances.

- Welded design in steel - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- **Polyamide wheels (PA)**
- Mounting handle with strap as transport safety device for 1 x 205 litre drum, available as an option
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



Order at the same time

Load securing set, includes a safety strap and support for 2 drums, Order no. 229-527-J1



SET PRICE



Mobile spill pallet includes mounting frame and belt as transport safety device for 2 x 205 litre drums, Order no. 259-770-J1



Mobile spill pallet includes hot dip galvanised drum support for 1 x 205 litre drum, Order no. 259-771-J1

classic-line
by DENIOS ■ ■



Grid	without	galvanized	galvanized	galvanized
Storage capacity	60 litre drums	60 litre drums	205 litre drums	205 litre drums
Number	1	2	1	2
Features	4 swivel castors		2 swivel castors, 2 fixed castors	
Tyres	Polyamide	Polyamide	Polyamide	Polyamide
Sump capacity [l]	80	80	238	235
Overall load capacity [kg]	300	300	400	800
External dimensions W x D x H [mm]*	1275 x 635 x 890	1275 x 635 x 890	1350 x 815 x 995	1700 x 815 x 995
Order number powder coated	259-375-J1	259-377-J1	259-337-J1	259-339-J1
Order number galvanized	259-376-J1	259-378-J1	259-338-J1	259-340-J1

*Overall height including handle



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Mobile spill pallets DENIOS pro-line, with electrically conductive wheels

With wheels in electrically conductive plastic. The handle guarantees safe internal transport of hazardous substances.

- Welded design - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- **Electrically conductive wheels**
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



pro-line
by DENIOS



Grid	without	galvanized	galvanized	galvanized
Storage capacity	60 litre drums	60 litre drums	205 litre drums	205 litre drums
Number	1	2	1	2
Features	4 swivel castors		2 swivel castors, 2 fixed castors	
Tyres	Anti-static			
Sump capacity [l]	80	80	238	235
Overall load capacity [kg]	300	300	400	800
External dimensions W x D x H [mm]*	1275 x 635 x 890	1275 x 635 x 890	1350 x 815 x 995	1700 x 815 x 995
Order number powder coated	259-379-J1	259-381-J1	259-359-J1	259-361-J1
Order number galvanized	259-380-J1	259-382-J1	259-360-J1	259-362-J1

*Overall height including handle



Dispensing stations classic-line, for 60 and 205 litre drums

Consists of drum support and spill pallet. Safe storage, dispensing and dosing of hazardous materials.

- Special compact, space-saving design
- Including galvanised steel drum support
- Optimised foot design simplifies handling using a pallet truck or forklift, making internal transport easy
- Welded design in steel - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



Dispensing stations DENIOS classic-line
- space-saving and secure, drums can not
only be stored, but are ready for dispensing
at any time.



Order at the same time



Brass drum tap 3/4",
Order no. 117-132-J1



Drum tap with 2" thread,
Order no. 117-105-J1



Drum safety valve,
Order no. 117-131-J1

classic-line

by DENIOS ■ ■



Storage capacity	60 litre drums			205 litre drums	
Number	1	1	3	1	2
Sump capacity [l]	80	238	235	265	265
Overall load capacity [kg]	400	400	800	1600	1600
External dimensions W x D x H [mm]	635 x 785 x 660	885 x 815 x 860	1236 x 815 x 735	1236 x 1210 x 670	1236 x 1210 x 670
Order number powder coated	259-500-J1	259-502-J1	259-504-J1	259-506-J1	259-508-J1
Order number galvanized	259-501-J1	259-503-J1	259-505-J1	259-507-J1	259-509-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Dispensing stations classic-line for up to 4 x 205 litre drums

Consisting of a drum pallet and spill pallet. The drum pallets with forklift pockets enable easy loading using a forklift. Safe drum emptying with inclined support profile.

- Includes drum pallet, in PE or galvanised steel
- Galvanised steel sump
- Galvanised for optimum corrosion protection
- Safe drum emptying with inclined support profile
- Approved for the storage of substances in all water-polluting classes and when used with a galvanised drum pallet for the storage of flammable liquids (H224-226)
- Sealing test with material certificate
- Flat-pack delivery with assembly instructions



Order at the same time



Stacking drum pallet in galvanised steel, Order no. 114-557-J1



Drum pallet in PE, external dimensions W x D x H (mm): 1300 x 790 x 300, Order no. 114-896-J1

Polyethylene jug holder, Order no. 114-901-J1



Dispensing stations classic-line for up to 2 x 60 litre drums

Especially narrow, compact design. Dispensing and dosing from 50 and 60 litre drums in narrow spaces.

- With perforated plate as a storage surface
- Welded design in steel - safe and long lasting
- Spill pallet and drum support are galvanised for optimum corrosion protection
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



classic-line

by DENIOS ■ ■

Features	① 1 drum pallet	② 2 drum pallets	③ 2 drum pallets
Storage capacity for 205 litre drums	2	4	4
Sump capacity [l]	254	343	400
Overall load capacity [kg]	800	1200	1200
External dimensions W x D x H [mm]	1200 x 1500 x 670	1200 x 2900 x 670	1200 x 2900 x 670
Order number Dispensing station incl. galvanised drum pallet	199-885-J1	199-887-J1	199-889-J1
Order number Dispensing station incl. PE drum pallet	199-886-J1	199-888-J1	199-890-J1

Storage capacity for 60 litre drums	① 1	② 2
Sump capacity [l]	66	66
Overall load capacity [kg]	120	240
External dimensions W x D x H [mm]	800 x 480 x 710	800 x 480 x 1210
Weight [kg]	48	72
Order number	114-318-J1	114-320-J1



Model p2-o for up to 4 x 205 litre drums

- For storing flammable liquids and all categories of water-polluting substances
- Can be stacked 3 high
- In steel with splashguard on 3 sides
- Removable hot dip galvanised grids as a stable standing surface
- Accessible underneath by pallet truck and forklift



Hazardous material depot 2 P2-O,
galvanised, for 2 x 205 litre drums

Order no. 114-484-J1



Hazardous material depot 4 P2-O-V50
for 4 x 205 litre drums

Order no. 178-413-J1

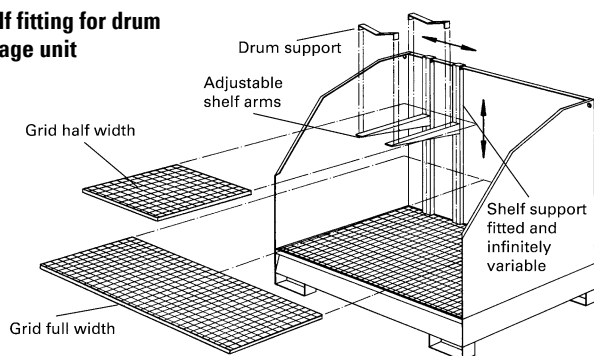


Hazardous material depot 2 P2-O,
painted, with shelf for small
containers

SET PRICE

Order no. 122-720-J1

Shelf fitting for drum storage unit



Storage capacity for 205 litre drums	2	4	4
Model	2 P2-O	4 P2-O	4 P2-O-V50
External dimensions W x D x H [mm]	1390 x 900 x 1440	1390 x 1310 x 1380	1390 x 1310 x 1505
Sump capacity [l]	240	260	465
Overall load capacity [kg]	935	1400	1400
Weight [kg]	150	205	275
Order number painted	114-612-J1	114-614-J1	178-413-J1
Order number galvanised	114-484-J1	114-486-J1	178-414-J1

Accessories	Order number
Grid, full width, for inserting on to shelf cross members	101-114-J1
Grid, half width, for inserting on to shelf cross members	101-115-J1
Drum support, 60 litre, for inserting on to shelf cross members	114-546-J1
1 pair shelf pins for inserting shelf cross members	114-544-J1
1 pair shelf cross members, for inserting grids / drum rails	114-545-J1
Protective hoop, folding, for transport safety	114-562-J1
Cover for 2 P2-O / -r, offering protection from dirt and weather	136-470-J1
Cover for 4 P2-O / -r, offering protection from dirt and weather	136-471-J1

Order at the same time

Covers

- Protection against dirt and the weather
- High-quality fabric cover
- Integral A4 document pocket
- Long side can be opened up, with two zip fasteners



Cover for 2 P2-O / -r

Order no. 136-470-J1

Cover for 4 P2-O / -r

Order no. 136-471-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Model p2-r, and p2-p for up to 4 x 205 litre drums

- For storing flammable liquids and all categories of water-polluting substances
- Model p2-r: can be stacked 3 high
- In steel, open on 3 sides
- Removable hot dip galvanised grids as a stable standing surface
- Accessible underneath by pallet truck and forklift
- Special cover to protect from contamination and weather, available as an option



③

Order no. 114-480-J1

Drum storage unit type 4 P2-R, galvanized, stackable, with optional 260 or 280 litre sump capacity



②

Order no. 114-606-J1

Hazardous material station model 2 P2-R, painted, stackable, for 2 x 205 litre drums (folding protective hoop optional)



①

Order no. 178-415-J1

Hazardous material station 4 P2-P-V50, painted, for 4 x 205 litre drums (image shows folding protective hoops, available separately)

①

②

③

Storage capacity for 205 litre drums	2	4	4	2	4	4
Model	2 P2-P	4 P2-P	4 P2-P-V50	2 P2-R	4 P2-R	4 P2-R-V50
Stackable	No	No	No	yes	yes	yes
External dimensions W x D x H (mm)	1355 x 865 x 935	1355 x 1270 x 870	1355 x 1270 x 1000	1390 x 900 x 1440	1390 x 1310 x 1380	1390 x 1310 x 1505
Sump capacity [l]	240	260	465	240	260	465
Overall load capacity [kg]	935	1400	1400	935	1400	1400
Weight [kg]	120	148	161	136	164	161
Order number painted	128-290-J1	128-292-J1	178-415-J1	114-606-J1	114-608-J1	178-417-J1
Order number galvanized	128-291-J1	128-293-J1	178-416-J1	114-478-J1	114-480-J1	178-418-J1



Spill pallet DENIOS base-line, for up to 2 x 1000 litre IBCs

base-line
by DENIOS

The cost-effective alternative for legally-compliant storage.

- **Quick delivery**
- With support profiles as storage level
- Welded steel design, powder coated
- Approved for the storage of substances in all water-polluting classes
- Sealing test with material certificate



Available immediately!



Order at the same time



Dispensing tray, galvanised, ensures liquids flow back into the spill pallet,
Order no. 274-148-J1



Spill pallet covers for 1 IBC,
Order no. 136-466-J1

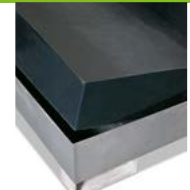


Galvanised splashguard, for spill pallets with a width of 1120 mm
Order no. 274-122-J1

Galvanised splashguard, for spill pallets with a width of 2200 mm
Order no. 274-123-J1



Plastic spill pallet insert, for spill pallets L x W (mm): 1120 x 1300
Order no. 274-118-J1



Plastic spill pallet insert, for spill pallets L x W (mm): 2200 x 1300
Order no. 274-119-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines



DENIOS base-line - your basic equipment for the storage of hazardous substances.



Available immediately!



Also approved for the storage of flammable liquids (H224-226)



base-line
by DENIOS ■



Storage capacity for 1000 litre IBCs	1	2
Sump capacity [l]	1100	1180
Overall load capacity [kg]	1800	3600
External dimensions W x D x H [mm]	1120 x 1300 x 1038	2200 x 1300 x 588
Order number powder coated	273-859-J1	273-860-J1



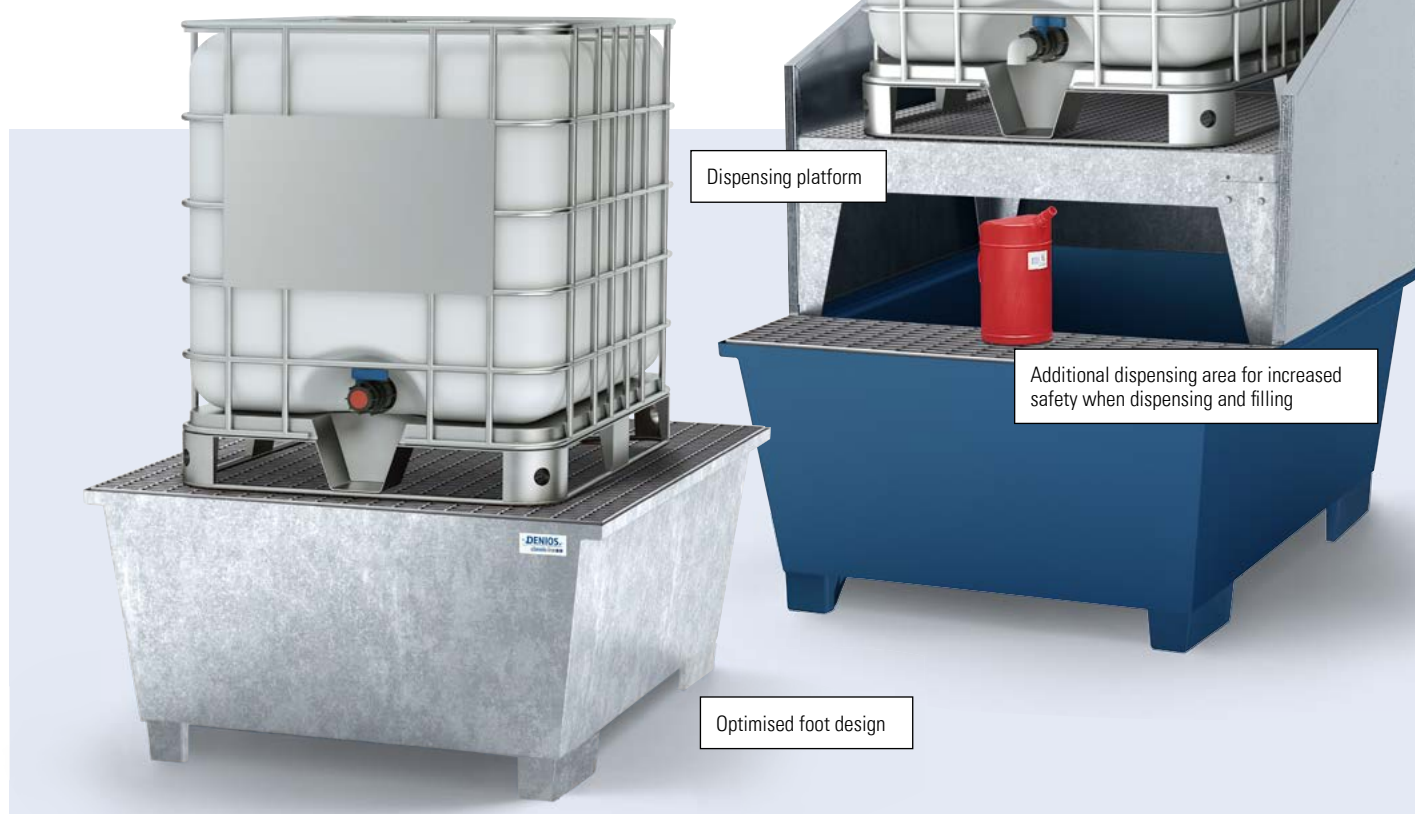
Spill pallets DENIOS classic-line with dispensing area, for 1 x 1000 litre IBC

With dispensing area for increased safety when dispensing and filling. Optimised foot design simplifies handling using a pallet truck or forklift and makes internal transport easy.

- **With dispensing area**
- With dispensing platform for use as dispensing or dosing station
- For storing aggressive media such as acids and alkalis the spill pallets can be fitted with a highly resistant inlay in polyethylene (PE)
- Welded design - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Forklift pockets for internal transport
- Approved for storing water-polluting substances
- Sealing test with material certificate



DENIOS classic-line - solutions for every application, e.g. storing up to 3 IBC on a spill pallet, protecting large surface areas or dispensing and dosing hazardous substances.



classic-line

by DENIOS ■ ■



Features	With grid	With dispensing platform
Sump capacity [l]	1100	1100
Overall load capacity [kg]	2000	2000
External dimensions W x D x H [mm]	1350 x 1650 x 710	1350 x 1650 x 1180
Order number powder coated	259-383-J1	259-385-J1
Order number galvanized	259-384-J1	259-386-J1

Accessories	
Order number Galvanised splashguard, for spill pallets with a width of 1350 mm	114-567-J1
Order number Plastic spill pallet insert, for spill pallets L x W (mm): 1350 x 1650	114-433-J1
Order number Conductive plastic spill pallet insert, for spill pallets L x W (mm): 1350 x 1650	270-790-J1
Order number Dispensing tray	114-566-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Spill pallets DENIOS classic-line, for 1 x 1000 litre IBC

Especially space-saving design. Optimised foot design simplifies handling using a pallet truck or forklift and makes internal transport easy.

- Can support for dispensing tasks available as an option
- With dispensing platform for use as dispensing or dosing station
- For storing aggressive media such as acids and alkalis the spill pallets can be fitted with a highly resistant inlay in polyethylene (PE)
- Welded design - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Forklift pockets for internal transport
- Approved for storing water-polluting substances
- Sealing test with material certificate



Order at the same time

Covers, Order no. 136-466-J1

- Protection against dirt and the weather
- High-quality fabric cover
- Integral A4 document pocket



100 mm ground clearance

We recommend the use of plastic spill pallets to store aggressive chemicals

From page
72

classic-line
by DENIOS ■ ■



Features	With grid	With dispensing platform
Sump capacity [l]	1100	1100
Overall load capacity [kg]	2000	2000
External dimensions W x D x H [mm]	1120 x 1300 x 1033	1120 x 1300 x 1493
Order number powder coated	273-863-J1	273-865-J1
Order number Hot dip galvanised	273-864-J1	273-866-J1

Accessories

Order number Galvanised splashguard, for spill pallets with a width of 1120 mm	274-122-J1
Order number Plastic spill pallet insert, for spill pallets L x W (mm): 1120 x 1300	274-118-J1
Order number Conductive plastic spill pallet insert, for spill pallets L x W (mm): 1120 x 1300	274-120-J1
Order number Dispensing tray	274-148-J1



Spill pallets DENIOS classic-line, for up to 2 x 1000 litre IBCs

Suitable for storing 2 IBCs. Optimised foot design simplifies handling when using a pallet truck or forklift and makes internal transport easy.

- Can support for dispensing tasks available as an option
- With dispensing platform for use as dispensing or dosing station
- For storing aggressive media such as acids and alkalis the spill pallets can be fitted with a highly resistant inlay in polyethylene (PE)
- Welded design - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Forklift pockets for internal transport
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



classic-line by DENIOS



Features	With grid	With dispensing platform	With two drum mounts
Sump capacity [l]	1180	1180	1180
Overall load capacity [kg]	4000	4000	4000
External dimensions W x D x H [mm]	2200 x 1300 x 585	2200 x 1300 x 1043	2200 x 1300 x 1043
Order number powder coated	273-867-J1	273-869-J1	273-871-J1
Order number Hot dip galvanised	273-868-J1	273-870-J1	273-872-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Steel sump pallets, for IBC storage

1

Order at the same time

SpillGuard® hazardous substance leak warning system

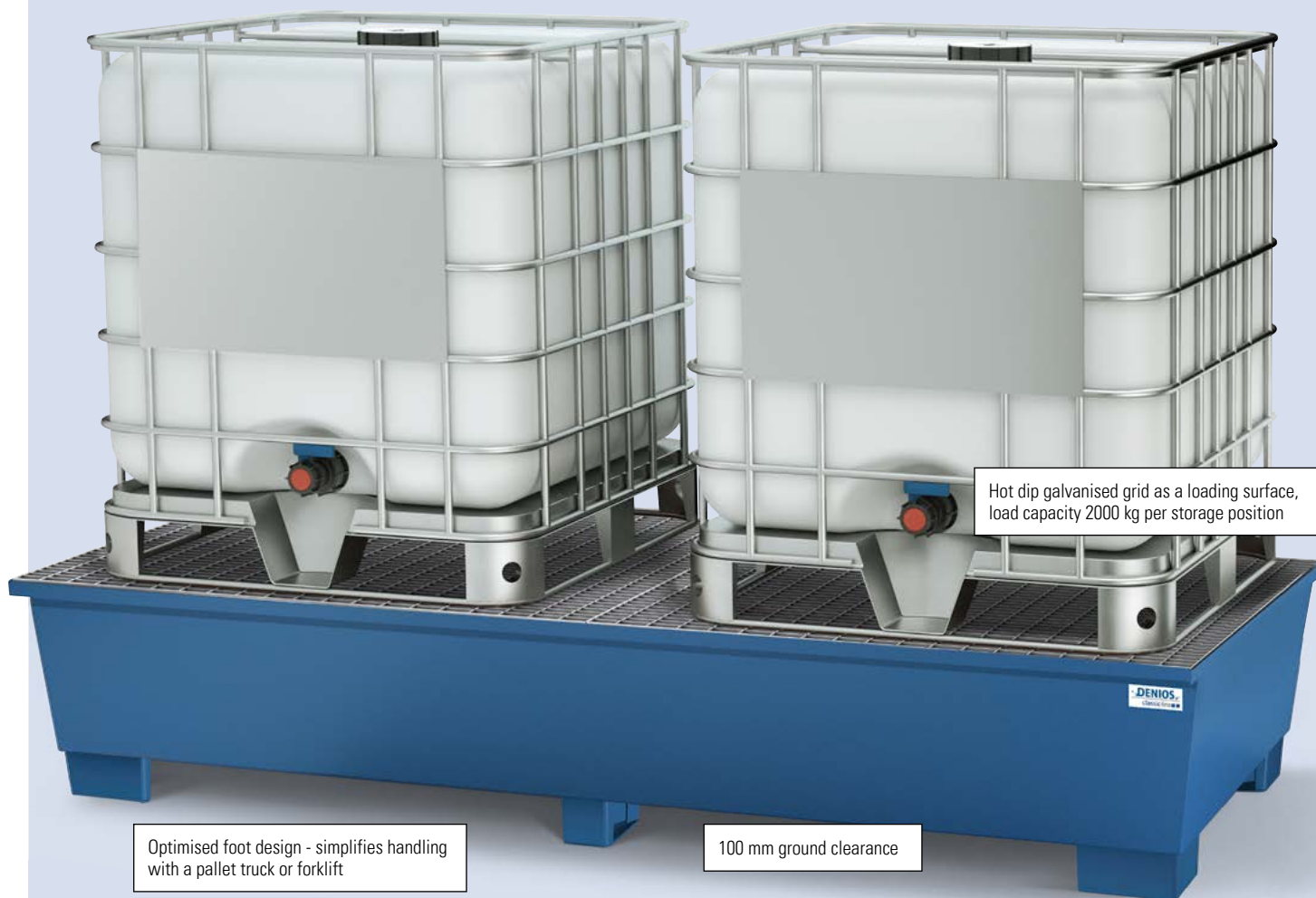
Order no. 271-433-J1



INNOVATION

See page
420-421

BESTSELLER

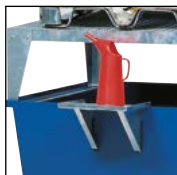


Optimised foot design - simplifies handling with a pallet truck or forklift

100 mm ground clearance

Hot dip galvanised grid as a loading surface, load capacity 2000 kg per storage position

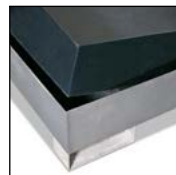
Order at the same time



Dispensing tray, galvanised, ensures liquids flow back into the spill pallet, Order no. 274-148-J1



Galvanised splashguard, for spill pallets with a width of 2680 mm, Order no. 114-568-J1



Plastic spill pallet insert, for spill pallets L x W (mm): 2200 x 1300
■ Antistatic spill pallet insert in polyethylene (PE), Order no. 274-121-J1
■ Acid resistant spill pallet insert in polyethylene (PE) Order no. 274-119-J1



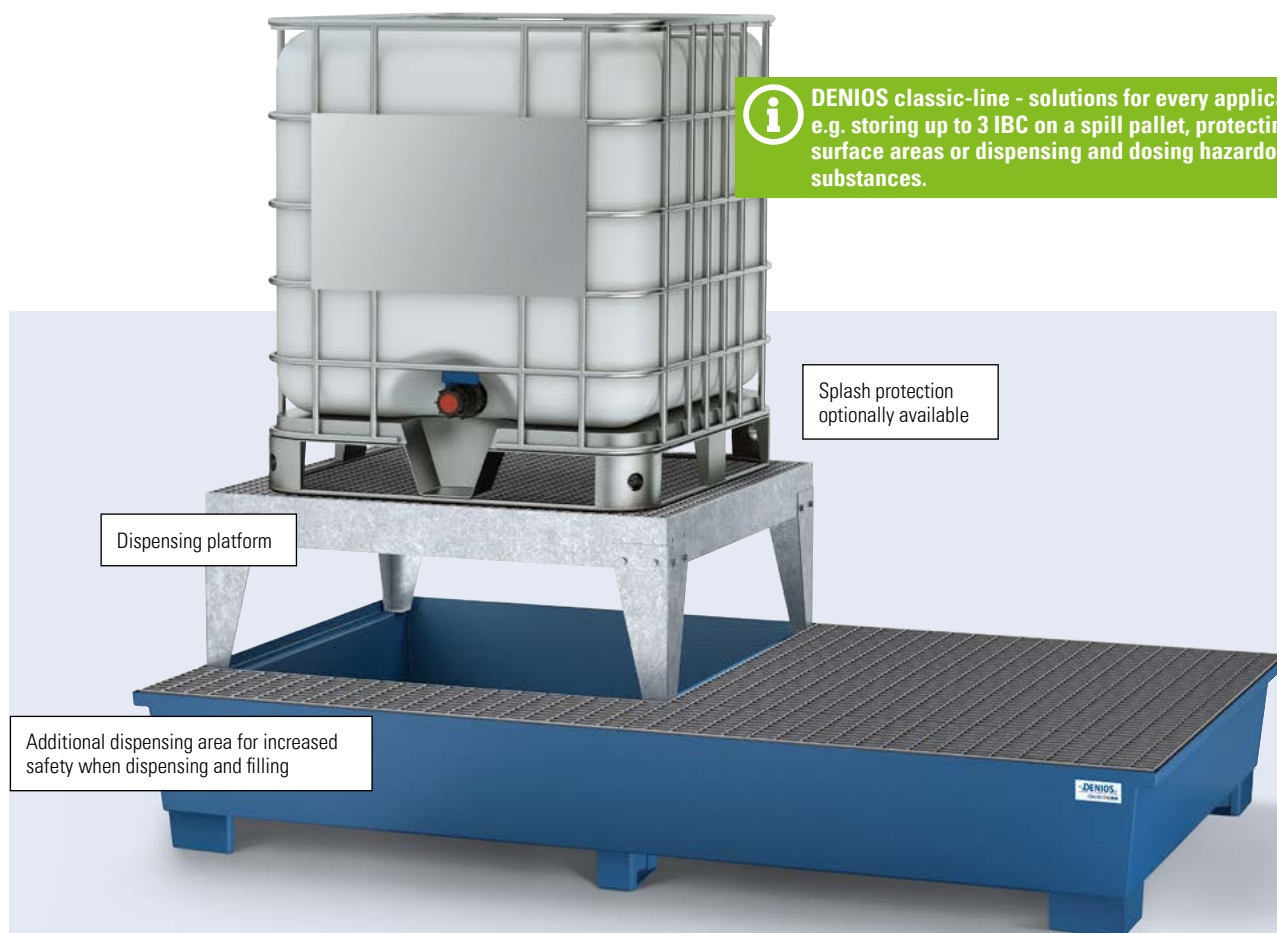
Spill pallets DENIOS classic-line with dispensing area, for up to 2 x 1000 litre IBCs

With dispensing area for increased safety when dispensing and filling. The optimised foot design simplifies handling using a pallet truck or forklift and makes internal transport easy.

- With dispensing area
- With dispensing platform for use as dispensing or dosing station
- For storing aggressive media such as acids and alkalis the spill pallets can be fitted with a highly resistant inlay in polyethylene (PE)
- Welded design - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Forklift pockets for internal transport
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



DENIOS classic-line - solutions for every application, e.g. storing up to 3 IBC on a spill pallet, protecting large surface areas or dispensing and dosing hazardous substances.



classic-line

by DENIOS



Features	With grid	With dispensing platform	With two drum mounts
Sump capacity [l]	1295	1295	1295
Overall load capacity [kg]	4000	4000	4000
External dimensions W x D x H [mm]	2680 x 1650 x 415	2680 x 1650 x 885	2680 x 1650 x 885
Order number powder coated	259-391-J1	259-393-J1	259-395-J1
Order number galvanized	259-392-J1	259-394-J1	259-396-J1

Accessories

Order number Plastic spill pallet insert, for spill pallets L x W (mm): 2680 x 1650	114-436-J1
Order number Conductive plastic spill pallet insert, for spill pallets L x W (mm): 2680 x 1300	270-791-J1
Order number Galvanized splashguard, for spill pallets with a width of 2680 mm	114-568-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

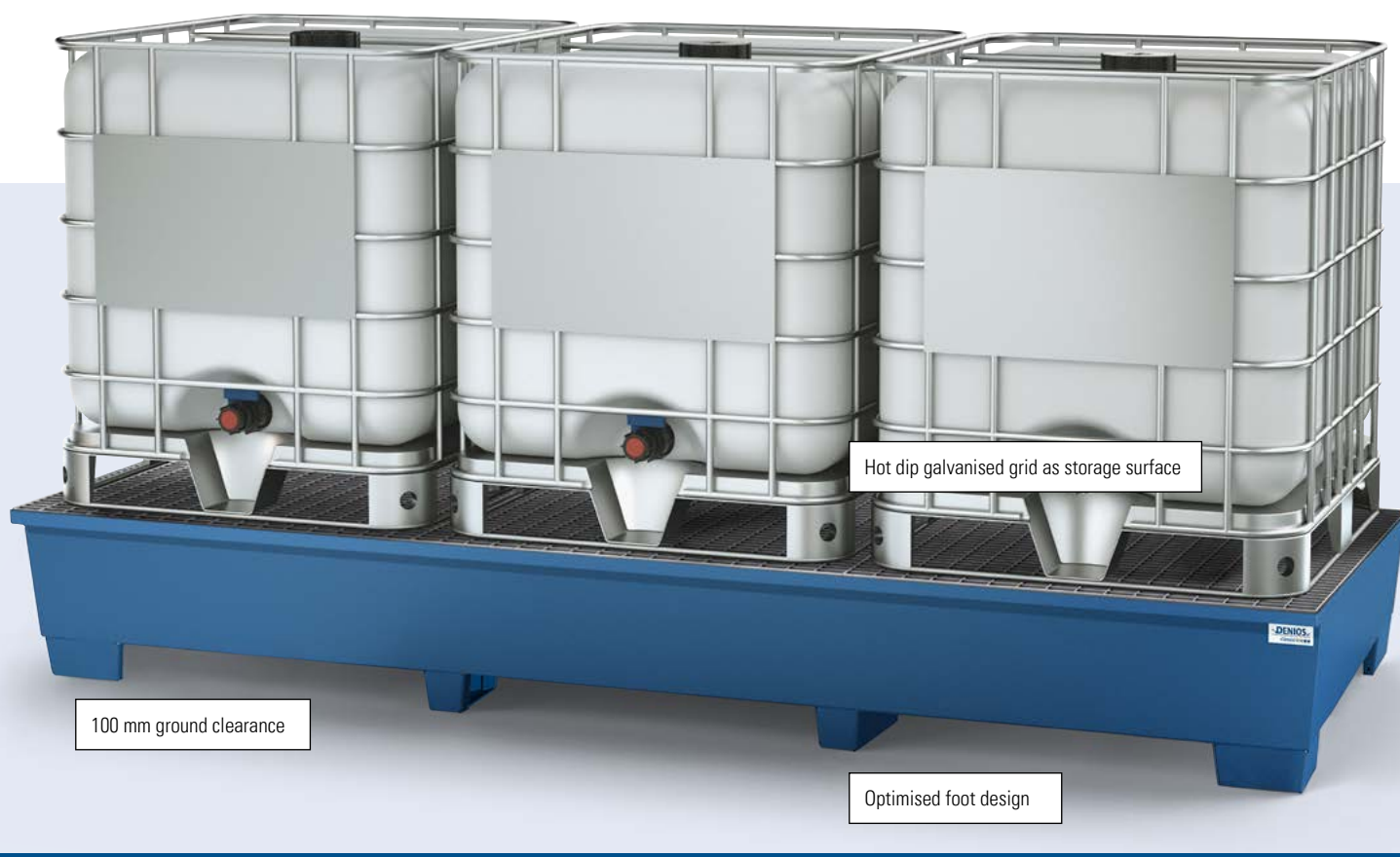
Steel sump pallets, for IBC storage

1

Spill pallets DENIOS classic-line, for up to 3 x 1000 litre IBCs

Suitable for storing 3 IBCs. The optimised foot design simplifies handling using a pallet truck or forklift and makes internal transport easy.

- Can support for dispensing tasks available as an option
- With dispensing platform for use as dispensing or dosing station
- For storing aggressive media such as acids and alkalis the spill pallets can be fitted with a highly resistant inlay in polyethylene (PE)
- Welded design - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Forklift pockets for internal transport
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



classic-line
by DENIOS ■ ■



Features	With grid	With dispensing platform	With two drum mounts	With three dispensing platforms
Sump capacity [l]	1200	1200	1200	1200
Overall load capacity [kg]	6000	6000	6000	6000
External dimensions W x D x H [mm]	3280 x 1300 x 424	3280 x 1300 x 883	3280 x 1300 x 883	3280 x 1300 x 883
Order number powder coated	273-873-J1	273-875-J1	273-877-J1	273-879-J1
Order number Hot dip galvanised	273-874-J1	273-876-J1	273-878-J1	273-880-J1

Accessories

Order number Plastic spill pallet insert, for spill pallets L x W (mm): 3280 x 1300	274-191-J1
Order number Conductive plastic spill pallet insert, for spill pallets L x W (mm): 3280 x 1300	274-192-J1
Order number Dispensing tray	274-148-J1



Spill pallets DENIOS pro-line, for 1 x 1000 litre IBC

Increased awareness when loading and transporting with reflectors in warning colours.

- Optimised foot design simplifies handling using a pallet truck or forklift, making internal transport easy
- For storing aggressive media such as acids and alkalis the spill pallets can be fitted with a highly resistant inlay in polyethylene (PE)
- Can support for dispensing tasks available as an option
- Welded design - safe and long lasting
- With dispensing platform for use as dispensing or dosing station
- Approved for the storage of substances in all water-polluting classes
- Sealing test with material certificate



pro-line
by DENIOS



Features	With grid	With dispensing platform
Sump capacity [l]	1100	1100
Overall load capacity [kg]	2000	2000
External dimensions W x D x H [mm]	1350 x 1650 x 707	1350 x 1650 x 1172
Order number powder coated	273-881-J1	273-883-J1
Order number Hot dip galvanised	273-882-J1	273-884-J1

Accessories	
Order number Plastic spill pallet insert, for spill pallets L x W (mm): 1350 x 1650	114-433-J1
Order number Conductive plastic spill pallet insert, for spill pallets L x W (mm): 1350 x 1650	270-790-J1
Order number Galvanised splashguard, for spill pallets with a width of 1350 mm	114-567-J1
Order number Dispensing tray	114-566-J1
Order number Spill pallet covers, for 1 IBC	136-466-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Spill pallets DENIOS pro-line, for up to 2 x 1000 litre IBCs

Increased awareness when loading and transporting with reflectors in warning colours.

- Optimised foot design simplifies handling using a pallet truck or forklift, making internal transport easy
- Can support for dispensing tasks available as an option
- With dispensing platform for use as dispensing or dosing station
- 3 part galvanised splash protection optionally available
- For storing aggressive media such as acids and alkalis the spill pallets can be fitted with a highly resistant inlay in polyethylene (PE)
- Welded design - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



pro-line
by DENIOS



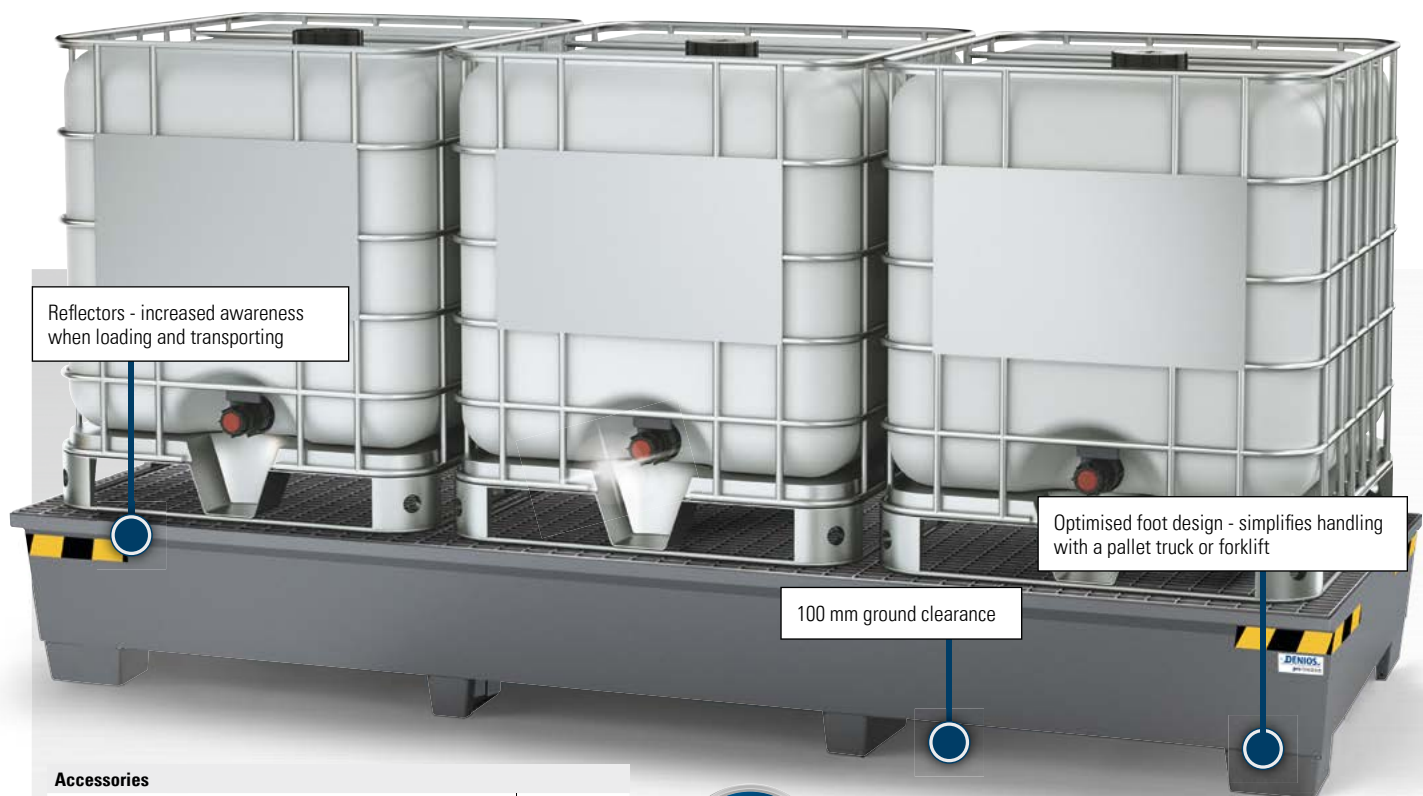
Features	With grid	With dispensing platform	With two drum mounts
Sump capacity [l]	1180	1180	1180
Overall load capacity [kg]	4000	4000	4000
External dimensions W x D x H [mm]	2200 x 1300 x 585	2200 x 1300 x 1045	2200 x 1300 x 1045
Order number powder coated	273-885-J1	273-887-J1	273-889-J1
Order number Hot dip galvanised	273-886-J1	273-888-J1	273-890-J1



Spill pallets DENIOS pro-line, for up to 3 x 1000 litre IBCs

Increased awareness when loading and transporting with reflectors in warning colours.

- Optimised foot design simplifies handling using a pallet truck or forklift, making internal transport easy
- Can support for dispensing tasks available as an option
- With dispensing platform for use as dispensing or dosing station
- 3 part galvanised splash protection optionally available
- For storing aggressive media such as acids and alkalis the spill pallets can be fitted with a highly resistant inlay in polyethylene (PE)
- Welded design - safe and long lasting
- Optimum corrosion protection with high-quality galvanising or powder coating
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate
- With certificate of compliance (ÜHP) valid across Germany, in accordance with building regulations list A, Part 1 of DIBt, Berlin and StaWa-R



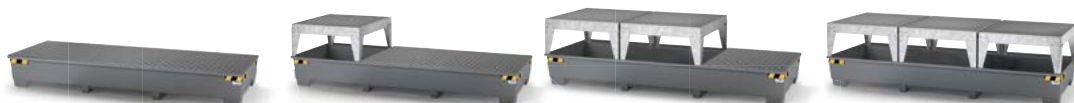
Accessories

Order number Plastic spill pallet insert, for spill pallets L x W (mm): 3280 x 1300	274-191-J1
Order number Conductive plastic spill pallet insert, for spill pallets L x W (mm): 3280 x 1300	274-192-J1
Order number Dispensing tray	274-148-J1



DENIOS
warranty **10** years

pro-line
by DENIOS



Features	With grid	With dispensing platform	With two drum mounts	With three dispensing platforms
Sump capacity [l]	1200	1200	1200	1200
Overall load capacity [kg]	6000	6000	6000	6000
External dimensions W x D x H [mm]	3280 x 1300 x 420	3280 x 1300 x 883	3280 x 1300 x 883	3280 x 1300 x 883
Order number powder coated	273-891-J1	273-893-J1	273-895-J1	273-897-J1
Order number Hot dip galvanised	273-892-J1	273-894-J1	273-896-J1	273-898-J1



All sumps are fully compliant
with HSE legislation and environmental
pollution prevention guidelines

Spill pallets DENIOS pro-line stainless steel, for up to 2 x 1000 litre IBCs

Welded design in rust-free stainless steel - safe and long lasting. Long term corrosion protection even when storing aggressive chemicals.

- Welded design in rust-free stainless steel 1.4301 - safe & long lasting
- For the storage of particularly aggressive chemicals
- Forklift pockets for internal transport with a forklift or pallet truck
- 100 mm ground clearance
- Approved for the storage of substances in all water-polluting classes
- Sealing test with material certificate



pro-line
by DENIOS



Storage capacity for 1000 litre IBCs	1	2
Storage capacity alternative - for 205 litre drums	4	8
Sump capacity [l]	1170	1100
Overall load capacity [kg]	2000	4000
External dimensions W x D x H [mm]	1300 x 1350 x 920	1300 x 2680 x 485
Order number with grid stainless steel	128-286-J1	128-285-J1
Order number with grid galvanized	130-054-J1	130-053-J1



Spillage decking elements DENIOS classic-line, with an especially low height of 78 mm

For protecting larger areas, simple to combine. For legally-compliant storage and safety when dispensing and filling.

- Easy to load with optional access ramps
- Welded design - safe and long lasting
- Galvanised for optimum corrosion protection
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



Spillage decking elements DENIOS classic-line
- make existing rooms into legally-compliant
hazardous materials stores.

Stackable shelving

From page
82

Drum pumps

See page
292

Height: 78 mm

classic-line
by DENIOS ■ ■

Sump capacity [l]	132	181	248	278	381
External dimensions W x D [mm]	1362 x 1362	1862 x 1362	1862 x 1862	2862 x 1362	2862 x 1862
Load capacity [kg/m²]	5000	5000	5000	5000	5000
Order number* Wheel load: 450 kg	115-128-J1	115-130-J1	168-966-J1	115-132-J1	115-134-J1
Order number* Wheel load: 2000 kg	120-233-J1	120-234-J1	195-305-J1	120-235-J1	120-236-J1

*Ground element 200 x 200 mm



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Steel banded spill flooring for covering large areas

1



For storing aggressive chemicals we recommend plastic spillage decking elements

See page
80-81



Special dimensions and designs in stainless steel are available on request.

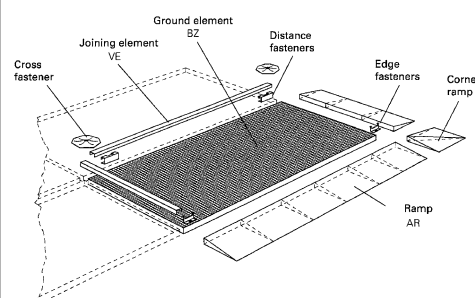


Order at the same time

Joining elements	VE 14	VE 19	VE 29
External dimensions W x D [mm]	1320 x 45	1820 x 45	2820 x 45
Order number	115-158-J1	115-159-J1	115-160-J1

Access ramps	AR 14	AR 19	AR 29	CORNER ramp	Ramp connector
External dimensions W x D [mm]	1320 x 720	1820 x 720	2820 x 720	730 x 730	67 x 721
Order number	115-164-J1	115-165-J1	115-166-J1	115-171-J1	272-373-J1

Securing elements	Distance fastener	Edge fastener	Cross joiner
External dimensions W x D [mm]	25 x 120	20 x 80	130 x 130
Order number	115-169-J1	115-170-J1	115-167-J1





Spillage decking elements DENIOS classic-line, with an especially low height of 123 mm

For protecting larger areas, simple to combine. For legally-compliant storage and safety when dispensing and filling.

- Easy to load with optional access ramps
- Welded design - safe and long lasting
- Galvanised for optimum corrosion protection
- Approved for storing flammable liquids (H224-226) and substances in all water-polluting classes
- Sealing test with material certificate



Spillage decking elements DENIOS classic-line - make existing rooms into legally-compliant hazardous materials stores.

Height: 123 mm

classic-line
by DENIOS ■ ■

Sump capacity [l]	28	57	115	230	144	290
Load capacity [kg/m²]	5000	5000	5000	5000	5000	5000
External dimensions W x D [mm]	500 x 500	1000 x 500	1000 x 1000	2000 x 1000	2500 x 500	2500 x 1000
Order number* Wheel load: 450 kg	115-137-J1	115-139-J1	115-141-J1	115-143-J1	115-145-J1	115-147-J1
Order number* Wheel load: 2000 kg	115-149-J1	115-150-J1	115-151-J1	115-152-J1	115-153-J1	115-154-J1

*Ground element 200 x 200 mm



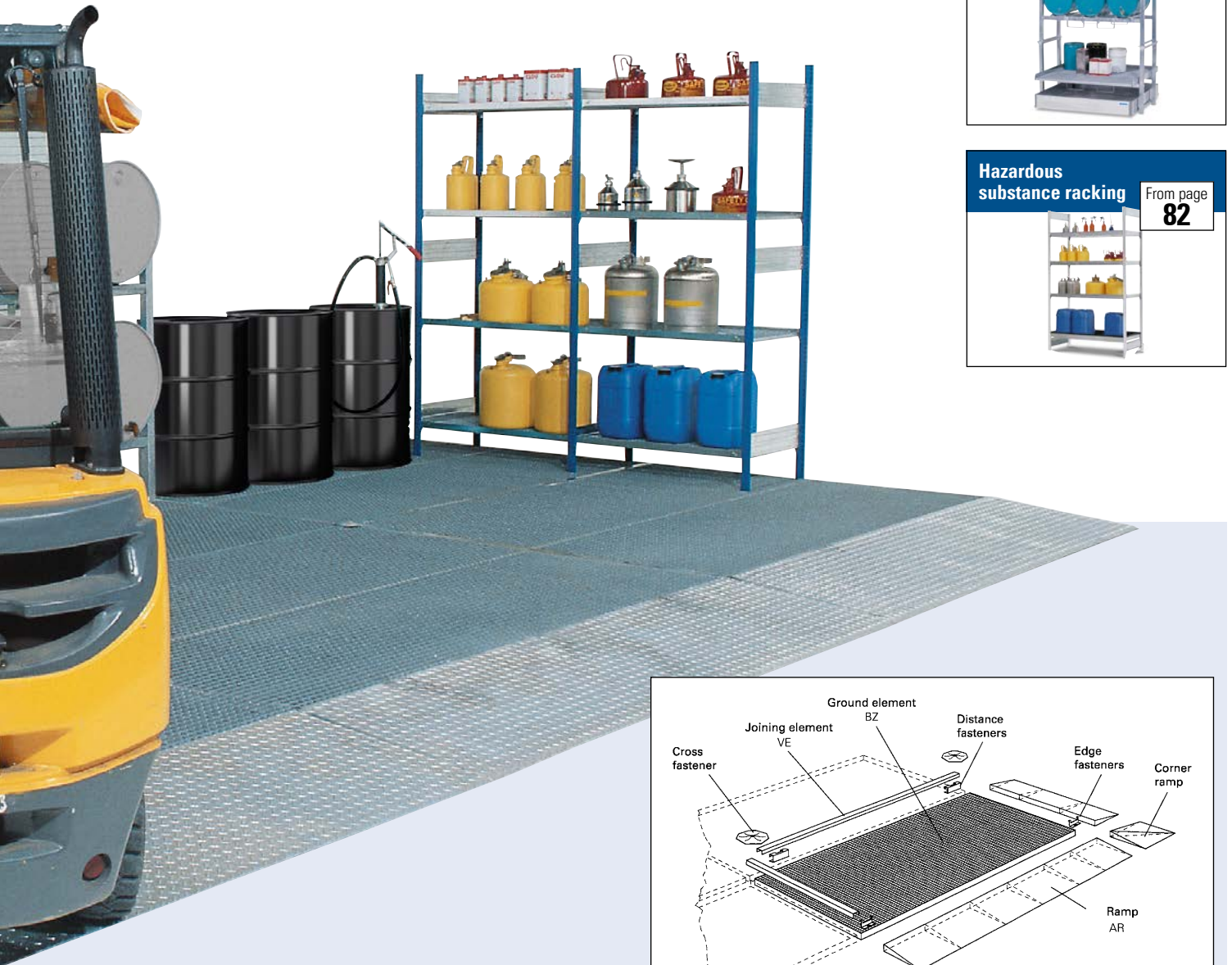
All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Steel banded spill flooring for covering large areas

1



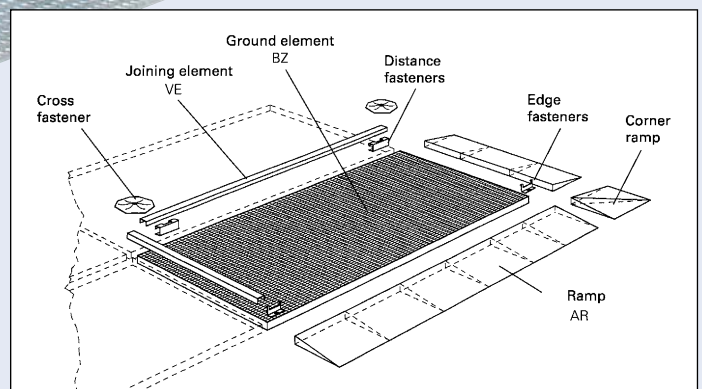
Stackable shelving

From page
92



Hazardous substance racking

From page
82



Special dimensions and designs in stainless steel are available on request.

Order at the same time

Joining elements	VE 5	VE 10	VE 20	VE 25
External dimensions W x D [mm]	470 x 45	970 x 45	1970 x 45	2470 x 45
Order number	115-172-J1	115-173-J1	115-174-J1	115-175-J1

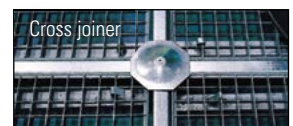
Access ramps	AR 5	AR 10	AR 20	AR 25	CORNER ramp	Ramp connector
External dimensions W x D [mm]	450 x 1120	950 x 1120	1950 x 1120	2450 x 1120	1140 x 1140	75 x 1120
Order number	115-176-J1	115-177-J1	115-178-J1	115-179-J1	115-181-J1	272-375-J1

Securing elements	Distance fastener	Edge fastener	Cross joiner
External dimensions W x D [mm]	25 x 120	20 x 80	130 x 130
Order number	115-182-J1	115-183-J1	115-167-J1



CORNER ramp

Order no. 115-181-J1



Order no. 115-167-J1



Spill trays for small containers DENIOS base-line, 7 to 68 litre containment volume

Ideal for use in the workplace, e.g. on a workbench.

- For the safe storage of small containers
- Dimensions to suit Euro pallets - for numerous combination options
- High chemical resistance to acids, alkalis and other aggressive liquids



Available immediately!



base-line
by DENIOS ■



Sump capacity [l]	7	15	32	68
External dimensions W x D x H [mm]	200 x 400 x 120	400 x 400 x 120	400 x 800 x 120	800 x 800 x 120
Order number Without grid	243-463-J1	243-469-J1	243-475-J1	243-481-J1
Order number With galvanised grid	243-465-J1	243-471-J1	243-477-J1	243-483-J1
Order number With plastic grid	243-464-J1	243-470-J1	243-476-J1	243-482-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Polyethylene spill trays

1

Spill trays for small containers DENIOS classic-line, for up to 2 x 60 litre drums

Store hazardous substances legally directly where they need to be used.

- Highly resistant to oils, acids, alkalis and other aggressive substances
- Sturdy design with good impact and shock resistance even under high temperature variations
- In corrosion-free polyethylene (PE)



Order at the same time

Handle

Order no. 130-627-J1



classic-line
by DENIOS ■ ■

Design	Without feet			With feet			With castors		
Containment volume [L]	79	79	79	81	81	81	79	79	79
Grid	without	galvanized	plastic	without	galvanized	plastic	without	galvanized	plastic
External dimensions W x D x H [mm]	645 x 795 x 210	645 x 795 x 210	645 x 795 x 235	645 x 795 x 300	645 x 795 x 300	645 x 795 x 325	645 x 795 x 315	645 x 795 x 315	645 x 795 x 340
Order number	107-262-J1	114-687-J1	114-689-J1	130-427-J1	129-043-J1	129-044-J1	129-161-J1	129-162-J1	129-163-J1

Expert advice and Order line: **01952 811 991**

Further information and prices can be given on the telephone.

DENIOS



Spill trays for small containers DENIOS classic-line, 130 litre containment volume

The spill trays in impact-resistant, seamless polyethylene (PE) can be inserted into any mesh box or wooden pallet with stacking devices.

- With type approval for the storage of hazardous substances
- High chemical resistance to acids, alkalis and other aggressive media
- Easy to clean
- Also available as a set in a mesh box



Application example: on a Euro pallet with stacking devices



Order no. 114-758-J1

Order at the same time

Mesh box pallet lid, Order no. 106-176-J1



SET PRICE

Mesh box incl. mesh box spill
pallet DENIOS classic-line,
Order no. 129-049-J1



classic-line
by DENIOS ■ ■

Mesh boxes and accessories / Mesh box and stacking
attachments for Euro pallets



See page
546-547

Safe cleaning with FALCON spray cans
and plunger cans



See page
506



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Spill trays for small containers DENIOS pro-line

Ideal for use right next to the working area. Store hazardous substances legally directly where they need to be used.

- In chemical-resistant polyethylene
- Long-term corrosion protection even when storing aggressive liquids
- Easy to clean
- With sturdy, removable grid as an option, incl. warning red leak indicator
- Spill pallets and grids can be recycled and can be stacked inside each other for storage and transport.



DENIOS warranty 10 years

INNOVATION

Hazmat racks with DIBt-approved spill pallets

See page 86-87



The bright red leak indicator signals that there is fluid in the spill pallet. This means the grid does not have to be cleared and removed from the spill pallet to inspect it.



The grid module can be removed quickly and easily so that containers can be stored in the base of the spill pallet.

pro-line
by DENIOS



Sump capacity [l]	26	33	40	52
External dimensions W x D x H [mm]	995 x 395 x 90	1265 x 395 x 90	995 x 595 x 90	1265 x 595 x 90
Order number	266-369-J1	266-371-J1	266-370-J1	266-372-J1



Accessories	PE grid with leak indicator			
Order number	266-799-J1	266-802-J1	266-801-J1	266-803-J1



Spill trays for small containers DENIOS pro-line

Ideal for use right next to the working area. Store hazardous substances legally directly where they need to be used.

- In chemical-resistant polyethylene
- Long-term corrosion protection even when storing aggressive liquids
- Easy to clean
- With sturdy, removable grid as an option, incl. warning red leak indicator
- Spill pallets and grids can be recycled and can be stacked inside each other for storage and transport.

Order at the same time

Safe cleaning with FALCON spray cans and plunger cans



From page
506

 **Certified and approved. The highest levels of environmental protection and safety.**
» denios.shop/certificates

DENIOS
warranty **10**
years



The bright red leak indicator signals that there is fluid in the spill pallet. This means the grid does not have to be cleared and removed from the spill pallet to inspect it.

pro-line
by DENIOS ■ ■ ■



Sump capacity [l]	24	24	35	35	48	48	97	97
Design	Without grid	With plastic grid	Without grid	With plastic grid	Without grid	With plastic grid	Without grid	With plastic grid
External dimensions W x D x H [mm]	400 x 400 x 180	400 x 400 x 180	592 x 400 x 180	592 x 400 x 180	784 x 400 x 180	784 x 400 x 180	784 x 784 x 180	784 x 784 x 180
Order number	248-037-J1	248-041-J1	248-038-J1	248-042-J1	248-039-J1	248-043-J1	248-040-J1	248-044-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Order at the same time

FALCON LubriFlex dispensing jugs for clean, easy dosing



See page
464-465



The grid module can be removed quickly and easily so that containers can be stored in the base of the spill pallet.

INNOVATION



DENIOS
warranty **10**
years

pro-line
by DENIOS ■ ■ ■ ■



Sump capacity [l]	135	135	205	205
Design	Without grid	With plastic grid	Without grid	With plastic grid
External dimensions W x D x H [mm]	1168 x 784 x 180	1170 x 785 x 180	1168 x 1168 x 180	1168 x 1168 x 180
Order number	264-513-J1	264-514-J1	264-515-J1	264-516-J1



Spill pallets DENIOS base-line, for up to 2 x 205 litre drums

The cost-effective alternative for legally-compliant storage.

- Quick delivery
- In chemically resistant and fully corrosion-proof polyethylene (PE)
- Sturdy design with good impact and shock resistance even under high temperature variations



Available immediately!



Go online! Discover even more exciting product highlights!

» www.denios.co.uk





All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines



Order at the same time



Polyethylene (PE) drum mounts
 ■ With 180° rotation for 60- and 200-litre drums
 Order no. 114-904-J1

Load securing set, includes a safety strap and support for 2 drums,
 Order no. 229-527-J1



base-line

by DENIOS ■



Grid	without	galvanized	plastic	without	galvanized	plastic
Version	Accessible underneath	Accessible underneath	Accessible underneath	on wheels	on wheels	on wheels
Storage capacity for 205 litre drums	1	2	2	—	2	2
Sump capacity [l]	240	240	240	240	240	240
Overall load capacity [kg]	760	760	760	360	620	620
External dimensions W x D x H [mm]	865 x 1245 x 350	865 x 1245 x 350	865 x 1245 x 375	865 x 1245 x 1060	865 x 1245 x 1060	865 x 1245 x 1060
Order number	267-365-J1	267-368-J1	267-371-J1	267-375-J1	267-377-J1	267-380-J1



Spill pallets DENIOS base-line, for up to 4 x 205 litre drums



Available immediately!

The cost-effective alternative for legally-compliant storage.

- Quick delivery
- In chemically resistant and fully corrosion-proof polyethylene (PE)
- Sturdy design with good impact and shock resistance even under high temperature variations
- Chemical pallets can also be stored directly in the spill pallet without a grid.





All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines



Go online! Discover even more exciting product highlights!

» www.denios.co.uk



base-line
by DENIOS



Grid	without	galvanized	plastic
Storage capacity for 205 litre drums	4	4	4
Sump capacity [l]	295	295	295
Overall load capacity [kg]	950	950	950
External dimensions W x D x H [mm]	1235 x 1235 x 275	1235 x 1235 x 275	1235 x 1235 x 300
Order number	267-382-J1	267-415-J1	267-417-J1



Spill pallets DENIOS classic-line, for 205 litre drums

Forklift pockets in the base enable it to be safely transported and loaded by drum lifters, pallet trucks and forklifts

- Highly resistant to oils, acids, alkalis and other aggressive substances
- Legally-compliant: manufactured seamlessly and completely liquid-tight
- Sturdy design with good impact and shock resistance even under high temperature variations
- Special compact and space-saving design
- Corrosion-proof and easy to clean

For 1 drum holding 205 litres and/or small containers



For 2 drums



For your safety, General Construction Approval is required for all spill pallets in polyethylene. In order to obtain this, the safety of the spill pallet must be tested with a load 4 times their normal load capacity.

Up to
6 t
test load

Order at the same time

**SpillGuard® hazardous substance leak
warning system**

Order no. 271-433-J1



INNOVATION

See page
420-421



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Polyethylene sump pallets, 250 and 450 litres

1



Drums delivered on pallets can be placed directly on the spill pallet - no time-consuming relocation necessary



classic-line
by DENIOS ■ ■



Storage capacity for 205 litre drums	1	1	2	2	2	2
Grid	galvanized	plastic	without	galvanized	plastic	plastic pallets
Sump capacity [l]	245	245	270	270	270	270
Overall load capacity [kg]	400	300	600	800	600	600
External dimensions W x D x H [mm]	760 x 910 x 500	760 x 910 x 525	900 x 1300 x 350	900 x 1300 x 350	900 x 1300 x 375	900 x 1300 x 470
Order number	162-311-J1	162-309-J1	252-581-J1	162-287-J1	162-286-J1	160-729-J1

Expert advice and Order line: **01952 811 991**

Further information and prices can be given on the telephone.

DENIOS



Spill pallets DENIOS classic-line, for up to 4 x 205 litre drums

Forklift pockets in the base enable it to be safely transported and loaded by drum lifters, pallet trucks and forklifts

- Highly resistant to oils, acids, alkalis and other aggressive substances
- Legally-compliant: manufactured seamlessly and completely liquid-tight
- Sturdy design with good impact and shock resistance even under high temperature variations
- Special compact and space-saving design
- Corrosion-proof and easy to clean



Drums delivered on pallets can be placed directly on the spill pallet - no time-consuming relocation necessary

Drum pumps

See page
302



L-ring drums

See page
485



Drum lifters

See page
376



**DIBt**General technical approval –
Z-40.22-421DENIOS
warranty**5**
years**Order at the same time****Polyethylene (PE) drum mounts**

- With 180° rotation for 60- and 200-litre drums
- External dimensions W x D x H (mm): 475 x 620 x 390



Order no. 114-904-J1



DENIOS classic-line spill pallets for 2 or 4 x 205 litre drums, shown here with a PE grid as a storage area, are ideal for combining as they have identical heights and widths.

classic-line
by DENIOS ■ ■


Storage capacity for 205 litre drums	4	4	4	4
Grid	without	galvanized	plastic	plastic pallets
Sump capacity [l]	405	405	405	405
Overall load capacity [kg]	1000	1600	1000	1000
External dimensions W x D x H [mm]	1300 x 1300 x 350	1300 x 1300 x 350	1300 x 1300 x 375	1300 x 1300 x 470
Order number	252-584-J1	162-290-J1	162-289-J1	160-730-J1



Spill pallets DENIOS classic-line, for up to 4 x 205 litre drums

Forklift pockets in the base enable it to be safely transported and loaded by drum lifters, pallet trucks and forklifts

- Highly resistant to oils, acids, alkalis and other aggressive substances
- Legally-compliant: manufactured seamlessly and completely liquid-tight
- Sturdy design with good impact and shock resistance even under high temperature variations
- Special compact and space-saving design
- Corrosion-proof and easy to clean



classic-line

by DENIOS ■ ■



Storage capacity - Euro pallets	2	2	2
Grid	without	galvanized	plastic
Sump Volume [l]	520	520	520
Overall load capacity [kg]	1200	1600	1200
External dimensions W x D x H [mm]	2520 x 900 x 350	2520 x 900 x 350	2520 x 900 x 350
Order number	236-310-J1	236-312-J1	236-311-J1

Drum lifters

See page
358





All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Polyethylene sump pallets, 250 and 450 litres

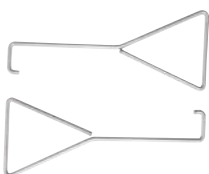
1



Order at the same time

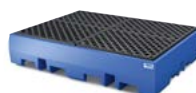
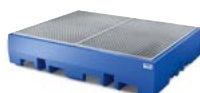
Grid lifter

- For ergonomic and safe lifting of grids onto sumps and into Storage Containers
- Suitable for all types of grid in steel, stainless steel and plastic
- Robust design in chemical resistant stainless steel
- 2 units = 1 pack



Order no. 215-854-J1

classic-line
by DENIOS



Storage capacity - Euro pallets	2	2	2
Grid	without	galvanized	plastic
Sump Volume [l]	440	440	440
Overall load capacity [kg]	1200	1600	1200
External dimensions W x D x H [mm]	1720 x 1300 x 350	1720 x 1300 x 350	1720 x 1300 x 350
Order number	236-313-J1	236-315-J1	236-314-J1

DENSORB safety cabinet with roll of absorbent material



See page
412



Spill pallets DENIOS classic-line, for up to 2 x 205 litre drums

Forklift pockets in the base enable it to be safely transported and loaded by drum lifters, pallet trucks and forklifts from all 4 sides.

- Highly resistant to oils, acids, alkalis and other aggressive substances
- Legally-compliant: manufactured seamlessly and completely liquid-tight
- Sturdy design with good impact and shock resistance even under high temperature variations
- Special compact and space-saving design
- Corrosion-proof and easy to clean

NEW

Highly stable, supports for grids or pallets
moulded into the body of the spill pallet



Without grid for direct
storage of Euro pallets



With grid in galvanised steel



Order at the same time

**SpillGuard® hazardous substance leak
warning system**

Order no. 271-433-J1



INNOVATION

See page
420-421



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Polyethylene sump pallets, 250 and 450 litres

1



With accessible plastic pallet as a loading surface

NEW

With grid in stable, chemical-resistant plastic

classic-line
by DENIOS



Grid	without	galvanized	plastic	plastic pallets
Sump capacity [l]	240	240	240	240
Overall load capacity [kg]	800	800	800	800
External dimensions W x D x H [mm]	1330 x 930 x 385	1330 x 930 x 385	1330 x 930 x 410	1330 x 930 x 500
Order number	265-412-J1	267-495-J1	267-499-J1	267-501-J1



Spill pallets DENIOS classic-line, for up to 4 x 205 litre drums

Forklift pockets in the base enable it to be safely transported and loaded by drum lifters, pallet trucks and forklifts

- Highly resistant to oils, acids, alkalis and other aggressive substances
- Legally-compliant: manufactured seamlessly and completely liquid-tight
- Sturdy design with good impact and shock resistance even under high temperature variations
- Special compact and space-saving design
- Corrosion-proof and easy to clean

NEW

Without grid for direct storage of chemical pallets

Highly stable, supports for grids or pallets moulded into the body of the spill pallet

With grid in galvanised steel

Order at the same time

**SpillGuard® hazardous substance leak
warning system**

Order no. 271-433-J1



INNOVATION

See page
420-421



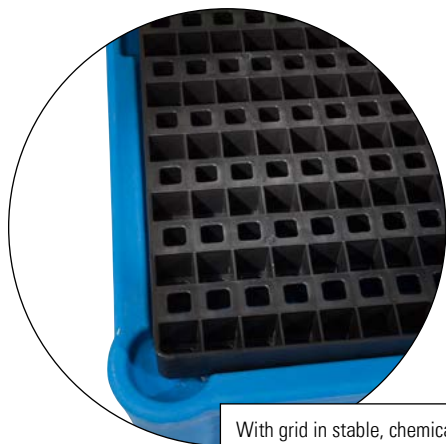
All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Polyethylene sump pallets, 250 and 450 litres

1



With grid in stable, chemical-resistant plastic

NEW



With accessible plastic pallet as a loading surface



classic-line

by DENIOS ■■



Grid	without	galvanized	plastic	plastic pallets
Sump capacity [l]	250	250	250	250
Overall load capacity [kg]	1600	1600	1600	1600
External dimensions W x D x H [mm]	1330 x 1330 x 295	1330 x 1330 x 295	1330 x 1330 x 320	1330 x 1330 x 410
Order number	265-413-J1	267-553-J1	267-554-J1	267-555-J1



Spill pallets DENIOS classic-line, for up to 10 x 205 litre drums

The low construction height simplifies internal logistics, regardless of whether individual drums or fully laden Euro or chemical pallets are stored.

- Highly resistant to oils, acids, alkalis and other aggressive substances
- Legally-compliant: manufactured seamlessly and completely liquid-tight
- Sturdy design with good impact and shock resistance even under high temperature variations
- Special compact and space-saving design
- Can easily be combined for protection of larger areas



classic-line

by DENIOS ■ ■

Storage capacity for 205 litre drums	4	4	5	5	6	6	10	10
Storage capacity alternative - Euro pallets	1	1	–	–	2	2	3	3
Storage capacity alternative - chemical pallets	1	1	–	–	1	1	2	2
Grid	galvanized	plastic	galvanized	plastic	galvanized	plastic	galvanized	plastic
Sump capacity [l]	287	287	280	280	423	423	580	580
Load capacity [kg/m²]	800	800	800	800	800	800	800	800
External dimensions W x D x H [mm]	1500 x 1500 x 150	1500 x 1500 x 150	3000 x 790 x 150	3000 x 790 x 150	2200 x 1500 x 150	2200 x 1500 x 150	3000 x 1500 x 150	3000 x 1500 x 150
Order number	267-985-J1	267-986-J1	267-989-J1	267-991-J1	267-987-J1	267-988-J1	267-992-J1	267-993-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Spill pallets DENIOS pro-line, for up to 4 x 205 litre drums

With innovative leak indicator for even more safety and convenience in the legally compliant storage of hazardous substances

- Including sturdy grid with ergonomic handles for easier handling during visual inspection and cleaning
- Grid supports integrated in the spill pallet body for optimised loading
- Forklift pockets in the base enable it to be safely transported and loaded by drum lifters, pallet trucks and forklifts from all sides.
- Seamless, absolutely liquid-tight, sturdy design with good impact and shock resistance even under high temperature variations
- Body in chemical-resistant polyethylene (PE)
- Long-term corrosion protection even when storing aggressive liquids

INNOVATION



pro-line
by DENIOS



Storage capacity for 205 litre drums	2	4
Sump capacity	250	390
Overall load capacity [kg]	800	1600
External dimensions W x D x H [mm]	918 x 1314 x 400	1314 x 1349 x 400
Order number	265-674-J1	265-675-J1



Spill pallets DENIOS base-line, for 1 x 1000 litre IBC

base-line
by DENIOS ■

The cost-effective alternative for legally-compliant storage.

- Spill pallet in polyethylene (PE) with high chemical resistance against acids, alkalis and many other aggressive liquids
- Includes storage mount in PE with protective edge to prevent IBC sliding off



For storage

Edge to prevent IBC sliding off

Stable design with wall thickness up to 8 mm

Forklift pockets for pallet truck and forklift

Order at the same time

SpillGuard® hazardous substance leak warning system

Order no. 271-433-J1



INNOVATION

See page
420-421



Platforms can be bought individually
upon request, Order no. 136-140-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

For storage and dispensing

Order at the same time

Extension tap for IBC



Order no. 117-254-J1



Integrated dispensing station with surface for small containers



base-line
by DENIOS



Design	For storage	For storage and dispensing
Sump capacity [l]	1197	1250
Overall load capacity [kg]	2000	2000
External dimensions W x D x H [mm]	1380 x 1575 x 760	1380 x 1800 x 760
Order number	267-502-J1	267-503-J1



Spill pallets DENIOS classic-line, for up to 2 x 1000 litre IBCs

Ideal for the storage of various acids and alkalis as well as non-combustible cleaning chemicals.

- Depending on the weight of the IBC itself, suitable for liquids up to a specific weight of 1.8 t
- Stable storage surface for safe placement of IBCs
- Optimum corrosion protection, manufactured entirely from polyethylene (PE)
- Forklift pockets permit efficient loading of the spill pallet using lifting equipment.



IBCs

See page
440-441



classic-line
by DENIOS ■ ■



Stable storage surface for safe storage of a 1000 litre IBC. The openings in the storage surface and on the tray edge allow liquid to drain safely into the retention space.



The fork pockets allow the IBC spill pallet to be loaded efficiently with high lift trucks or fork lifts.



IBC spill pallet classic-line may also be used for the safe storage of up to 4 x 205 litre drums



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Polyethylene IBC sump pallets

1



The fork pockets allow the IBC spill pallet to be loaded efficiently with high lift trucks or fork lifts.

IBC spill pallet DENIOS classic-line with acid-resistant PE standing areas, for up to 2 x 1000 litre IBCs



Up to
16 t
test load



classic-line
by DENIOS ■■



Storage capacity for 1000 litre IBCs	1	2	2
Loading surface	plastic	without	plastic
Sump Volume [l]	1100	1100	1100
Overall load capacity [kg]	2000	4000	4000
External dimensions W x D x H [mm]	1430 x 1430 x 965	2260 x 1430 x 720	2260 x 1430 x 745
Order number	148-303-J1	149-460-J1	149-461-J1
Accessories	height adjustable dispensing tray		
Order number	236-741-J1	267-911-J1	267-911-J1

Order at the same time

Height adjustable dispensing tray for safe, clean dispensing operations at IBC spill pallets, with practical space for lids, funnels, gloves and cloths for example





Spill pallets DENIOS classic-line, for up to 3 x 1000 litre IBCs

classic-line
by DENIOS ■■

Excellent price/performance ratio for nearly all requirements.

- Safe, legally-compliant storage of IBCs
- High chemical resistance to many oils, acids, alkalis etc.
- Total corrosion protection, manufactured entirely from polyethylene (PE)
- With protected dispensing area if required



Protected dispensing area so any drips
are safely collected in the spill pallet

Up to
16 t
test load

Order at the same time



Dispensing tray for IBC spill pallets

Height adjustable dispensing tray for safe, clean dispensing operations at IBC stations, with practical space for lids, funnels, gloves and cloths for example, Order no. 236-741-J1

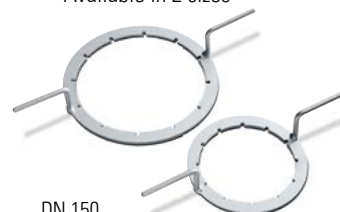


Extension tap for IBC

- Length (mm): 250
- Order no. 117-254-J1

IBC lid opener

- In galvanised steel
- Available in 2 sizes



DN 150,
Order no. 185-786-J1
DN 225,
Order no. 185-787-J1



All sumps are fully compliant
with HSE legislation and environmental
pollution prevention guidelines

DENIOS
warranty

5
years

Polyethylene IBC sump pallets

1



classic-line
by DENIOS ■ ■



Design	For storage						For storing and dispensing					
Storage capacity for 1000 litre IBCs	1	1	1	1	1	1	2	2	2	3	3	3
Grid	without	galvanized	plastic	without	galvanized	plastic	without	galvanized	plastic	without	galvanized	plastic
Sump capacity [l]	1100	1100	1100	1100	1100	1100	1256	1256	1256	1750	1750	1750
Overall load capacity [kg]	2000	2000	2000	2000	2000	2000	4000	4000	4000	6000	6000	6000
External dimensions W x D x H [mm]	1280 x 1660 x 870		1280 x 1660 x 895	1280 x 1910 x 860		1280 x 1910 x 885	2460 x 1800 x 460		2460 x 1800 x 485	3640 x 1800 x 450		3640 x 1800 x 475
Order number	267-588-J1	267-589-J1	267-590-J1	267-604-J1	267-605-J1	267-606-J1	267-609-J1	267-611-J1	267-613-J1	267-614-J1	267-615-J1	267-616-J1



Spill pallets DENIOS pro-line, for up to 2 IBCs

Increased awareness when loading and transporting with reflectors in warning colours.

- Spill pallet in polyethylene (PE) with high chemical resistance against oils, acids, alkalis etc.
- With integral forklift pockets for safe use of forklifts and pallet trucks
- Stable design with good impact and shock resistance even under high temperature variations



Certified and approved. The highest levels of environmental protection and safety.

» denios.shop/certificates



The front section of the 3-part grid can be quickly and easily removed to give access to the integral dispensing area.

For 1 IBC, for storing and dispensing - with integral dispensing area

pro-line
by DENIOS ■ ■ ■ ■



Storage capacity for 1000 litre IBCs	1	1	2	2
Grid	galvanized	plastic	galvanized	plastic
Sump capacity [l]	1050	1050	1050	1050
Overall load capacity [kg]	2000	2000	4000	4000
External dimensions W x D x H [mm]	1370 x 1980 x 690	1370 x 1980 x 720	2530 x 1320 x 580	2530 x 1320 x 610
Order number	267-655-J1	267-657-J1	267-658-J1	267-659-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Order at the same time

SpillGuard® hazardous substance leak warning system

Order no. 271-433-J1



INNOVATION

See page
420-421



DENIOS
warranty

10
years



For 2 IBCs, for storing - can be extended with IBC dispensing tray for dispensing

Order at the same time

Extension tap for IBC

- Length (mm): 250



Order no. 117-254-J1

IBC lid opener

- Ring wrenches for conveniently opening IBC screw caps
- In galvanised steel
- Available in 2 sizes

DN 150,
Order no. 185-786-J1

DN 225,
Order no. 185-787-J1



Dispensing tray for IBC spill pallets

- As an extension for safe, clean, dispensing
- With practical area for putting lids, funnels or cloths

Order no. 267-911-J1





Spillage decking elements DENIOS classic-line in PE, with an especially low height of 150 mm

 Go online! Discover even more
exciting product highlights!
» www.denios.co.uk

For protecting larger areas, simple to combine. For legally-compliant storage and safety when
dispensing and filling.

- Easy to load with optional access ramps
- In environmentally-friendly polyethylene (PE)
- High chemical resistance to oils, acids, alkalis and other aggressive substances
- Base spill pallet has received General Technical Approval No. Z-40.22-491 valid throughout Germany from
DIBt, Berlin
- High levels of impact and shock resistance
- Removable hot dip galvanised grid as storage surface



**Steel spillage decking elements are available
for the storage of flammable liquids**

See page
46

Order at the same time



Order no. 114-916-J1

Floor mounting for securing spillage
decking elements to the floor



Order no. 114-917-J1

Cross connector, covers where the
corners for four spillage decking
elements meet for example

classic-line

by DENIOS ■ ■

Sump capacity [l]	70	148	287	200	423	330	280	580	500
External dimensions W x D x H [mm]	790 x 790 x 150	790 x 1500 x 150	1500 x 1500 x 150	2200 x 790 x 150	2200 x 1500 x 150	2200 x 2200 x 150	3000 x 790 x 150	3000 x 1500 x 150	3000 x 2200 x 150
Load capacity [kg/m²]	800	800	800	800	800	800	800	800	800
Wheel load [kg]	150	150	150	150	150	150	150	150	150
Order number Grid: galvanized	216-671-J1	164-338-J1	114-885-J1	216-673-J1	164-340-J1	236-800-J1	216-675-J1	114-889-J1	236-803-J1
Order number Grid: plastic	216-672-J1	164-345-J1	114-887-J1	216-674-J1	164-346-J1	236-802-J1	216-676-J1	114-891-J1	236-804-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Polyethylene banded spill flooring
for covering large areas

1

Access ramp for classic-line PE spillage decking elements

Access ramps enable the PE spillage decking elements to be driven over from all sides. This makes more effective every day use of the spillage decking elements.

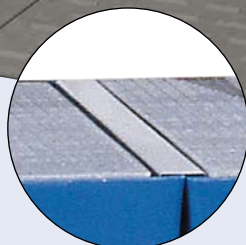
- For easy loading of the classic-line PE spillage decking elements
- For wheel loads up to 150 kg
- Gradient only 7 degrees
- In environmentally-friendly polyethylene (PE)



Hazardous
substance racking

From page
82

Joining element, bridges the gap between several spillage decking elements



External dimensions W x D [mm]	700 x 83	1410 x 83	2090 x 83	2910 x 83
Order number	164-354-J1	114-914-J1	164-356-J1	114-915-J1

Order at the same time



Order no. 114-918-J1

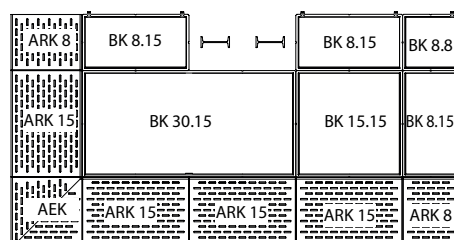
Access ramp in polyethylene (PE),
W x D 900 x 940 mm



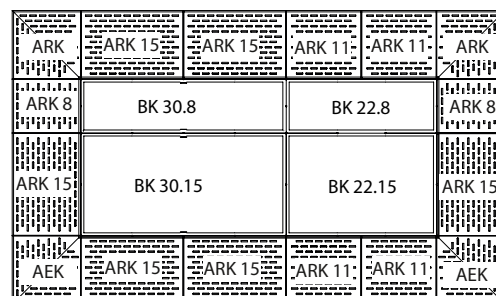
Order no. 114-919-J1

Spacer connector, for the safe joining of
several spillage decking elements

i Choose from 4 access ramps
and 9 different sizes.



The various dimensions of the floor elements allow you to lay them around posts and supports for example



Suitable ramps for each floor element make the complete storage area accessible from all sides

classic-line
by DENIOS

External dimensions W x D [mm]	790 x 1000	1090 x 1000	1490 x 1000	1000 x 1000
Order number	216-677-J1	216-678-J1	216-679-J1	216-680-J1

Expert advice and Order line: **01952 811 991**

Further information and prices can be given on the telephone.

DENIOS

81



Racking for storing small hazardous substance containers

Type code hazmat racks

GRW Rack with 4 steel spill trays

GRG Rack with 1 steel spill tray and 3 grid shelves

GRB Rack with 1 floor spill pallet and 4 grid shelves

GKG Rack with 1 plastic spill tray 3 grid shelves

GKW Rack with 4 plastic spill trays

GRE Rack in stainless steel with one spill pallet and 3 perforated shelves

1040 shelf width: 1000 mm, shelf depth: 400 mm

1060 shelf width: 1000 mm, shelf depth: 600 mm

1340 shelf width: 1300 mm, shelf depth: 400 mm

1360 shelf width: 1300 mm, shelf depth: 600 mm

- Which substances can you store?
- On which hazmat racks can you store?



Water-hazardous materials

Model GRW

- With painted steel spill trays at each level



Shelving system for hazardous material type GRW 1040

Order no. 199-566-J1



Flammable liquids

Model GRG; GRB

- with a steel spill tray at the lower level and grid shelves



Shelving system for hazardous material type GRB 1360

Order no. 199-720-J1



Aggressive chemicals

Model GKG, GKW, GRE

- with plastic or stainless steel spill trays and grid shelves



Shelving system for hazardous material type GKG 1060-V

Order no. 199-581-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines


DENIOS
warranty

5
years

Type GRW, with 4 steel sumps

- 4 steel spill trays as shelves
- For the storage of liquids in all water-polluting classes
- Type-separated storage with spill tray at every storage level

- Galvanised frame
- Sturdy construction with reinforcing crossbars
- Shelving height can be adjusted in 25 mm increments
- Can be expanded at any time
- Delivered flat packed with instructions for easy self assembly

 All racking is galvanised for optimum corrosion protection



Containment shelving model
GRW 1360, Order no. 199-574-J1



Detailed illustration: Spill pallet with
additional storage surface



Hazardous substances rack, model GRW 1060,
with one base and one extension shelf

Model	GRW 1040	GRW 1060	GRW 1340	GRW 1360
Equipment - shelves	4 x spill pallets, painted	4 x spill pallets, painted	4 x spill pallets, painted	4 x spill pallets, painted
Bay dimensions W x D (mm)	1000 x 400	1000 x 600	1300 x 400	1300 x 600
Load (kg)	200	200	200	200
Containment volume [L]	4 x 24	4 x 36	4 x 31	4 x 47
Basic shelf				
External dimensions W x D x H (mm)	1060 x 437 x 2000	1060 x 637 x 2000	1360 x 437 x 2000	1360 x 637 x 2000
Order number	199-566-J1	199-564-J1	199-570-J1	199-574-J1
Extension shelf				
External dimensions W x D x H (mm)	1012 x 437 x 2000	1012 x 637 x 2000	1312 x 437 x 2000	1312 x 637 x 2000
Order number	199-567-J1	199-565-J1	199-571-J1	199-575-J1
Accessories				
Order number	199-599-J1	199-597-J1	199-603-J1	199-605-J1



Type GRG, with steel sump and 3 grid shelves

- 1 steel sump and 3 galvanised grid shelves as storage levels
- For storing flammable liquids
- Galvanised frame
- Sturdy construction with reinforcing crossbars
- Shelving height can be adjusted in 25 mm increments
- Can be expanded at any time
- Delivered flat packed with instructions for easy self assembly



All racking is galvanised for optimum corrosion protection



Detailed illustration: grids as storage surfaces

Hazardous substances rack Model GRG, consisting of 1 base shelf unit GRG 1060 and 2 extension shelf units GRG 1360

Model	GRG 1040	GRG 1060	GRG 1340	GRG 1360
Equipment - shelves	3 x grid, galvanised	3 x grid, galvanised	3 x grid, galvanised	3 x grid, galvanised
Equipment - lower shelf	1 x spill pallet, painted	1 x spill pallet, painted	1 x spill pallet, painted	1 x spill pallet, painted
Bay dimensions W x D [mm]	1000 x 400	1000 x 600	1300 x 400	1300 x 600
Load [kg]	200	200	200	200
Sump capacity [l]	24	36	31	47
Basic shelf				
External dimensions W x D x H [mm]	1060 x 437 x 2000	1060 x 637 x 2000	1360 x 437 x 2000	1360 x 637 x 2000
Order number	199-562-J1	199-560-J1	199-568-J1	199-572-J1
Extension shelf				
External dimensions W x D x H [mm]	1012 x 437 x 2000	1012 x 637 x 2000	1312 x 437 x 2000	1312 x 637 x 2000
Order number	199-563-J1	199-561-J1	199-569-J1	199-573-J1
Accessories				
Order number	Additional surface 199-598-J1	Additional surface 199-596-J1	Additional surface 199-602-J1	Additional surface 199-604-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Type GRB, with steel sump and 4 grids

- 1 floor spill pallet manufactured from galvanised steel and 4 galvanised grids
- For storing flammable liquids

- Galvanised frame
- Sturdy construction with reinforcing crossbars
- Shelving height can be adjusted in 25 mm increments
- Can be expanded at any time
- Delivered flat packed with instructions for easy self assembly



All racking is galvanised for optimum corrosion protection



Containment shelving
model GRB 1060,
Order no. 199-716-J1



Shelving system for hazardous
material type GRB 1360,
Order no. 199-720-J1



Hazardous substances rack, model GRB 1040,
with one basic and one extension shelf

Model	GRB 1040	GRB 1060	GRB 1340	GRB 1360
Equipment - shelves	4 x grid, galvanised	4 x grid, galvanised	4 x grid, galvanised	4 x grid, galvanised
Equipment - lower shelf	1 x spill pallet, galvanised	1 x spill pallet, galvanised	1 x spill pallet, galvanised	1 x spill pallet, galvanised
Bay dimensions W x D [mm]	1000 x 400	1000 x 600	1300 x 400	1300 x 600
Load [kg]	200	200	200	200
Sump capacity [l]	44	62	56	78
Basic shelf				
External dimensions W x D x H [mm]	1156 x 526 x 2000	1156 x 726 x 2000	1456 x 526 x 2000	1456 x 726 x 2000
Order number	199-714-J1	199-716-J1	199-718-J1	199-720-J1
Extension shelf				
External dimensions W x D x H [mm]	1006 x 526 x 2000	1006 x 726 x 2000	1306 x 526 x 2000	1306 x 726 x 2000
Order number	199-715-J1	199-717-J1	199-719-J1	199-721-J1
Accessories				
Order number	199-598-J1	199-596-J1	199-602-J1	199-604-J1



Type GKG pro, with 1 plastic drip tray and 3 grid shelves

- 1 polyethylene (PE) spill pallet and 3 grid shelves in PE or galvanised steel as storage levels
- For the storage of aggressive chemicals for example acids or alkali and substances in all water-polluting classes
- Galvanised frame
- Sturdy construction with reinforcing crossbars
- Shelving height can be adjusted in 25 mm increments
- Can be expanded at any time
- Delivered flat packed with instructions for easy self assembly

NEW All shelves now with approved plastic spill tray!



All racking is galvanised for optimum corrosion protection



Hazardous substances rack type GKG 1360-V, consisting of one basic shelf and one extension shelf



Shelving system for hazardous material type GKG 1360-V, Order no. 273-919-J1

Model	GKG 1040-V	GKG 1060-V	GKG 1340-V	GKG 1360-v	GKG 1060	GKG 1360
Equipment - shelves	3 x grid, galvanised	3 x grid, galvanised	3 x grid, galvanised	3 x grid, galvanised	3 x grid, plastic	3 x grid, plastic
Equipment - lower shelf	1 x spill pallet, plastic	1 x spill pallet, plastic	1 x spill pallet, plastic	1 x spill pallet, plastic	1 x spill pallet, plastic	1 x spill pallet, plastic
Bay dimensions W x D (mm)	1000 x 400	1000 x 600	1300 x 400	1300 x 600	1000 x 600	1300 x 600
Load (kg)	200	200	200	200	200	200
Sump capacity (l)	26	40	33	52	40	52
Basic shelf						
External dimensions W x D x H (mm)	1060 x 437 x 2000	1060 x 637 x 2000	1360 x 437 x 2000	1360 x 637 x 2000	1060 x 637 x 2000	1360 x 637 x 2000
Order number	273-902-J1	273-917-J1	273-904-J1	273-919-J1	273-921-J1	273-923-J1
Extension shelf						
External dimensions W x D x H (mm)	1012 x 437 x 2000	1012 x 637 x 2000	1312 x 437 x 2000	1312 x 637 x 2000	1012 x 637 x 2000	1312 x 637 x 2000
Order number	273-903-J1	273-918-J1	273-905-J1	273-920-J1	273-922-J1	273-924-J1
Accessories						
Order number	Additional surface 199-598-J1	Additional surface 199-596-J1	Additional surface 199-602-J1	Additional surface 199-604-J1	Additional surface 199-600-J1	Additional surface 199-606-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Type GKW pro, with 4 polyethylene sumps

- 4 polyethylene (PE) spill trays as storage levels
- For the storage of aggressive chemicals for example acids or alkali and substances in all water-polluting classes
- Type-separated storage with spill tray at every storage level
- Galvanised frame
- Sturdy construction with reinforcing crossbars
- Shelving height can be adjusted in 25 mm increments
- Can be expanded at any time
- Delivered flat packed with instructions for easy self assembly

NEW All shelves now with approved plastic spill tray!



Hazardous substances rack basic shelf model GKW 1360, with 4 PE spill trays, Order no. 273-927-J1



Hazardous substances rack, model GKW 1060, with one base and one extension shelf

i All racking is galvanised for optimum corrosion protection

Order at the same time



Spill tray in polyethylene as an additional storage level for hazardous substances rack model GKW

Order no. 273-929-J1

Model	GKW 1040	GKW 1060	GKW 1340	GKW 1360
Equipment - shelves	4 x spill pallet, plastic	4 x spill pallet, plastic	4 x spill pallet, plastic	4 x spill pallet, plastic
Bay dimensions W x D [mm]	1000 x 400	1000 x 600	1300 x 400	1300 x 600
Load [kg]	200	200	200	200
Containment volume [L]	4 x 26	4 x 40	4 x 33	4 x 52
Basic shelf				
External dimensions W x D x H [mm]	1060 x 437 x 2000	1060 x 637 x 2000	1360 x 437 x 2000	1360 x 637 x 2000
Order number	273-906-J1	273-925-J1	273-908-J1	273-927-J1
Extension shelf				
External dimensions W x D x H [mm]	1012 x 437 x 2000	1012 x 637 x 2000	1312 x 437 x 2000	1312 x 637 x 2000
Order number	273-907-J1	273-926-J1	273-909-J1	273-928-J1
Accessories				
Order number	273-910-J1	273-929-J1	273-911-J1	273-930-J1



Model GRE in stainless steel

- 1 spill pallet in stainless steel and 3 perforated stainless steel plates as storage surfaces
- For storing flammable liquids, aggressive chemicals and all classes of water-polluting substances
- Easy to clean and hygienic
- Quality product in stainless steel 1.4301
- High stability with bolted crosspiece
- With adjustable feet to be used on uneven floor surfaces
- Shelving height can be adjusted in 150 mm increments
- Can be expanded at any time
- Delivered flat packed with instructions for easy self assembly

Hazardous substances rack model GRE 1250, in stainless steel

Order no. 181-455-J1



Hazardous substances rack model GRE, consisting of base shelf model GRE 6030 and extension shelf model GRE 1230



Hazardous substances rack model GRE 1230, in stainless steel

Order no. 181-453-J1



Detailed illustration: perforated stainless steel shelf as storage surface

Order at the same time

- Cross support (to be attached when using extension shelf units behind every third racking bay)

Order no. 181-457-J1

Model	GRE 6030	GRE 9030	GRE 9050	GRE 1230	GRE 1250
Equipment - shelves	3 x perforated plate, stainless steel	3 x perforated plate, stainless steel	3 x perforated plate, stainless steel	3 x perforated plate, stainless steel	3 x perforated plate, stainless steel
Equipment - lower shelf	1 x spill pallet, stainless steel	1 x spill pallet, stainless steel	1 x spill pallet, stainless steel	1 x spill pallet, stainless steel	1 x spill pallet, stainless steel
Bay dimensions W x D [mm]	550 x 250	850 x 250	850 x 450	1150 x 250	1150 x 450
Load [kg]	150	150	150	100	100
Sump capacity [l]	24	37	55	50	69
Basic shelf					
External dimensions W x D x H [mm]	600 x 300 x 1800	900 x 300 x 1800	900 x 500 x 1800	1200 x 300 x 1800	1200 x 500 x 1800
Order number	181-447-J1	181-449-J1	181-451-J1	181-453-J1	181-455-J1
Extension shelf					
External dimensions W x D x H [mm]	575 x 300 x 1800	875 x 300 x 1800	875 x 500 x 1800	1175 x 300 x 1800	1175 x 500 x 1800
Order number	181-448-J1	181-450-J1	181-452-J1	181-454-J1	181-456-J1
Accessories					
Order number	181-942-J1	181-943-J1	181-944-J1	181-945-J1	181-946-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Model GRS / GKS, with steel or plastic spill pallet and 2 grid shelves

- Secure storage of small containers and drums up to 205 litres
- Shelf frames are powder coated, blue (similar to RAL 5019), cross members are orange (similar to RAL 2004), grid mesh is galvanised
- Especially stable with mesh struts in the shelf frames
- Shelving height can be adjusted in 25 mm increments
- Can be expanded at any time
- Delivered flat packed with instructions for easy self assembly
- **Model GKS: approved for the storage of substances in all water-polluting classes and aggressive chemicals for example acids or alkali**
- **Model GRS: approved for storing flammable liquids and substances in all water-polluting classes**



Hazardous substances rack type GRS 1250 with painted steel spill pallet, basic shelf with extension shelf



Hazardous substances rack model GRS 1250, with painted steel spill pallet

Order no. 201-815-J1



Hazardous substances rack model GRS 1250, with galvanised steel spill pallet

Order no. 201-818-J1



Hazardous substances rack model GKS 1250, with polyethylene (PE) spill pallet

Order no. 201-820-J1

Model	GRS 1250		GKS 1250
Equipment - shelves	2 x grid, galvanised	2 x grid, galvanised	2 x grid, galvanised
Equipment - lower shelf	1 x spill pallet, painted	1 x spill pallet, galvanised	1 x spill pallet, plastic
Bay dimensions W x D [mm]	1300 x 600	1300 x 600	1300 x 600
Load [kg]	538	538	538
Spill pallet shelf load capacity [kg]	800	800	760
Sump capacity [l]	235	235	240
Basic shelf			
External dimensions W x D x H [mm]	1364 x 816 x 2000	1364 x 816 x 2000	1364 x 830 x 2000
Order number	201-815-J1	201-818-J1	201-820-J1
Extension shelf			
External dimensions W x D x H [mm]	1307 x 816 x 2000	1307 x 830 x 2000	1307 x 600 x 2000
Order number	201-816-J1	201-819-J1	201-821-J1
Accessories			
Order number	201-822-J1	201-822-J1	201-822-J1

Model RF / RL, flexible, simple push-fit design

- Flexible, sturdy storage system with push-fit, easy assembly
- For the professional and individual storage of workshop materials, production accessories etc.

Each basic shelving unit consists of 2 galvanised frames, extension shelving units have one frame. The galvanised shelves are fitted in special reinforced cross members. This allows just a few individual components to create a stable yet flexible shelving system.

- Galvanised frame
- 4 galvanised shelves for storage
- Sturdy construction with reinforcing crossbars
- Shelving height can be adjusted in 25 mm increments
- Can be expanded at any time
- Delivered flat packed with instructions for easy self assembly



All racking is galvanised for optimum corrosion protection



Rack Model RF 1850, Order no. 199-677-J1

Standard equipment and accessories: Each rack bay is supplied with 4 shelves. Additional shelves incl. reinforcement cross-bars are available as accessories.



Shelving unit consisting of one basic and two extension shelves

Model	RF 1850	RF 1860	RF 2250	RF 2260	RL 1850	RL 1860	RL 2250	RL 2260
Equipment - shelves	4 x shelf, galvanised	4 x shelf, galvanised	4 x shelf, galvanised	4 x shelf, galvanised	4 x shelf, galvanised	4 x shelf, galvanised	4 x shelf, galvanised	4 x shelf, galvanised
Bay dimensions W x D [mm]	1000 x 500	1000 x 600	1000 x 500	1000 x 600	1300 x 500	1300 x 600	1300 x 500	1300 x 600
Load [kg]	150	150	150	150	250	250	250	250
Rack load [kg]	1300	1300	1300	1300	1300	1300	1300	1300
Basic shelf								
External dimensions W x D x H [mm]	1060 x 537 x 1800	1060 x 637 x 1800	1060 x 537 x 2300	1060 x 637 x 2300	1360 x 537 x 1800	1360 x 637 x 1800	1360 x 537 x 2300	1360 x 637 x 2300
Order number	199-677-J1	199-681-J1	199-679-J1	199-683-J1	199-685-J1	199-689-J1	199-687-J1	199-691-J1
Extension shelf								
External dimensions W x D x H [mm]	1012 x 537 x 1800	1010 x 637 x 1800	1012 x 537 x 2300	1012 x 637 x 2300	1312 x 537 x 1800	1312 x 637 x 1800	1312 x 537 x 2300	1312 x 637 x 2300
Order number	199-678-J1	199-682-J1	199-680-J1	199-684-J1	199-686-J1	199-690-J1	199-688-J1	199-692-J1
Accessories	Additional surface	Additional surface	Additional surface	Additional surface	Additional surface	Additional surface	Additional surface	Additional surface
Order number	199-693-J1	199-694-J1	199-693-J1	199-694-J1	199-695-J1	199-696-J1	199-695-J1	199-696-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Storage shelves with spill tray underneath

1

Model RPG / RPF, for safety when dispensing

- Overhanging spill pallet ensures safe dispensing
- For storing flammable liquids
- Galvanised frame
- Sturdy construction with reinforcing crossbars
- Shelving height can be adjusted in 25 mm increments
- 100 mm ground clearance for transport with a forklift and to avoid corrosion
- Delivered flat packed with instructions for easy self assembly

Containment shelving Model RPG 2060, painted, with 8 grids

Order no. 199-662-J1



All racking is galvanised for optimum corrosion protection

- Model RPF: Shelves on every level



Containment shelving Model RPF 1060, painted, with 4 shelves

Order no. 199-663-J1

- Model RPG: Grids on every level



Containment shelving Model RPG 1060, galvanised, with 4 grids

Order no. 199-583-J1

Model	RPG 1060	RPG 2060	RPF 1060	RPF 2060
Equipment - shelves	4 x grid, galvanised	8 x grid, galvanised	4 x shelf, galvanised	8 x shelf, galvanised
Bay dimensions W x D [mm]	1000 x 600	1000 x 600	1000 x 600	1000 x 600
Load [kg]	200	200	150	150
Sump capacity [l]	235	280	235	280
External dimensions W x D x H [mm]	1236 x 816 x 2100	2470 x 816 x 2100	1236 x 816 x 2100	2470 x 816 x 2100
Order number Spill pallet: painted	199-661-J1	199-662-J1	199-663-J1	199-664-J1
Order number Spill pallet: Galvanised	199-583-J1	199-584-J1	199-585-J1	199-586-J1
Accessories	Additional surface	Additional surface	Additional surface	Additional surface
Order number	199-596-J1	199-596-J1	199-608-J1	199-608-J1



Model AWS, for the safe storage of drums, canisters or small containers

- For storing flammable liquids
- Safe dispensing over the protruding model W spill pallet
- Tried and tested shelving combination consisting of rack and spill pallet
- Sturdy steel construction, galvanised
- Galvanised sump, slide-in design, 25 mm ground clearance for optimal corrosion protection
- Delivered flat-pack, with instructions for assembly



Drum rack model AWS 1 for 4 x 205 litre drums, incl. Dispensing tray

Order no. 182-580-J1



Drum rack model AWS 3 for 3 x 60 litre drums and 2 x 205 litre drums, incl. Steel dispensing tray, Order no. 182-581-J1



Drum and small container rack model AWS 4 for 3 x 60 litre drums and small containers, Order no. 114-306-J1

Order at the same time



Drum roller for horizontal drums, Order no. 114-542-J1



Dispensing tray in PE, dimensions W x D x H (mm): 270 x 270 x 300, Order no. 114-902-J1



Dispensing tray in steel, dimensions W x D x H (mm): 280 x 270 x 300, Order no. 114-543-J1

Model	AWS 1		AWS 2		AWS 3		AWS 4
External dimensions W x D x H [mm]	1370 x 1240 x 1535	1370 x 1240 x 1670	870 x 1240 x 1535	1370 x 1240 x 1535	1370 x 1240 x 1670	1370 x 1240 x 1535	1370 x 1240 x 1535
Bay dimensions W x D x H [mm]	1235 x 600 x 697	1235 x 600 x 697	735 x 600 x 697	1235 x 600 x 697	1235 x 600 x 697	1235 x 600 x 697	1235 x 600 x 697
Equipment - shelves	Drum supports	Drum supports	Drum supports	Drum supports	Drum supports	Drum supports	Drum supports and grid, galvanised
Storage capacity	205 litre drums	205 litre drums	205 litre drums	205 litre drums	205 litre drums	205 litre drums	60 litre drums
Number	4	4	2	2	2	2	3
Additional storage capacity	–	–	–	60 litre drums	60 litre drums	60 litre drums	Small container
Number	–	–	–	3	3	3	–
Sump capacity [l]	235	443	220	235	443	443	235
Load capacity drum support [kg]	350	350	350	350 / 120	350 / 120	350 / 120	120
Rack load [kg]	1400	1400	700	1060	1060	1060	720
Order number	114-311-J1	182-580-J1	114-312-J1	114-301-J1	182-581-J1	114-306-J1	114-306-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines



Drum and small container rack model AWS 5 for 3 x 20 litre canisters and 2 x 60 litre canisters and small containers

Order no. 114-322-J1



Small container rack model AWS 6, for storing small containers

Order no. 114-308-J1



Drum rack model AWS 2 for 2 x 205 litre drums, Order no. 114-312-J1



Small container rack model AWS 8, for storing small containers, Order no. 114-316-J1



Small container rack model AWS 7, for storing small containers, Order no. 114-317-J1

Model	AWS 5	AWS 6	AWS 7	AWS 8
External dimensions W x D x H [mm]	870 x 1240 x 2280	1370 x 1240 x 1535	870 x 1240 x 1535	870 x 1240 x 925
Bay dimensions W x D x H [mm]	735 x 1115 x 697	1235 x 1115 x 697	735 x 1115 x 697	735 x 1115 x 697
Equipment - shelves	Guide rails and grid, galvanised	2 x grid, galvanised	2 x grid, galvanised	1 x grid, galvanised
Storage capacity	60 litre canister	Small container	Small container	Small container
Number	2	—	—	—
Additional storage capacity	20 litre canister	—	—	—
Number	3	—	—	—
Sump capacity [l]	220	235	220	220
Load [kg]	240	410	435	435
Rack load [kg]	720	820	870	435
Order number	114-322-J1	114-308-J1	114-317-J1	114-316-J1



Model AWS, for the safe storage of drums

- For storing flammable liquids
- Safe dispensing over the protruding model P2-F spill pallet
- Tried and tested shelving combination consisting of rack and spill pallet
- Sturdy steel construction, galvanised
- Removable hot dip galvanised grids as a stable standing surface
- Steel spill pallet
- Spill pallet available in galvanised or painted finish
- Delivered flat-pack, with instructions for assembly



Order no. 114-452-J1

Drum rack model AWS 9 for 2 x 205 litre drums,
incl. Steel dispensing tray

Order at the same time



Dispensing tray in PE,
dimensions W x D x H
(mm): 270 x 270 x 300,
Order no. 114-902-J1



Dispensing tray in steel,
dimensions W x D x H
(mm): 280 x 270 x 300,
Order no. 114-543-J1



Drum roller for horizontal
drums,
Order no. 114-542-J1



Drum rack model AWS 12 for 3 x 60 litre drums,
Order no. 114-454-J1



Drum rack model AWS 10 for 4 x 205 litre drums,
incl. PE dispensing tray,
Order no. 114-586-J1



Drum rack model AWS 11 for 3 x 60 litre drums
and 2 x 205 litre drums, incl. Steel dispensing tray,
Order no. 120-177-J1

Model	AWS 9	AWS 10		AWS 11		AWS 12
External dimensions W x D x H [mm]	870 x 1340 x 1860	1370 x 1260 x 1795	1370 x 1260 x 1925	1370 x 1260 x 1795	1370 x 1260 x 1925	1370 x 1260 x 1050
Bay dimensions W x D x H [mm]	735 x 600 x 697	1235 x 600 x 697	1235 x 600 x 697	1235 x 600 x 697	1235 x 600 x 697	1235 x 600 x 697
Equipment - shelves	Drum supports	Drum supports	Drum supports	Drum supports	Drum supports	Drum supports
Storage capacity	205 litre drums	205 litre drums	205 litre drums	205 litre drums	205 litre drums	60 litre drums
Number	2	4	4	2	2	3
Additional storage capacity	—	—	—	60 litre drums	60 litre drums	—
Number	—	—	—	3	3	—
Sump capacity [l]	244	268	470	258	470	258
Load capacity drum support [kg]	350	350	350	350 / 120	350 / 120	120
Rack load [kg]	700	1400	1400	1060	1060	360
Order number	114-452-J1	114-586-J1	178-427-J1	120-177-J1	178-426-J1	114-454-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Model AWK, for the safe storage of drums, canisters or small containers

The acid and alkali resistant PolySafe spill trays manufactured from polyethylene ensure maximum protection with this racking system. Stackable racking, an individual system for the storage of 205 ltr. And 60 ltr. Drums, plastic canisters from 20 - 60 litres and other smaller containers.

- For the storage of substances in all water-polluting classes and aggressive chemicals for example acids or alkalis
- Safe dispensing over the protruding model PolySafe spill pallet
- Tried and tested shelving combination consisting of rack and spill pallet
- Sturdy steel construction, galvanised
- With forklift pockets for optimum handling
- Spill pallet made of polyethylene (PE) with high chemical resistance
- Delivered flat-pack, with instructions for assembly



Drum and small container rack model AWS 4 for 4 x 30 litre canisters and small containers

Order no. 114-696-J1



Drum rack model AWS 1 for 4 x 205 litre drums (optional dispensing tray), Order no. 114-698-J1



Small container rack model AWK 2, for storing small containers, Order no. 114-693-J1



Drum rack model AWK 3, for 3 x 60 litre drums and 2 x 205 litre drums, Order no. 114-694-J1

Model	AWK 1	AWK 2	AWK 3	AWK 4
External dimensions W x D x H [mm]	1370 x 1240 x 1535	1370 x 1240 x 1535	1370 x 1240 x 1535	1370 x 1240 x 1535
Bay dimensions W x D x H [mm]	1235 x 600 x 697	1235 x 1115 x 697	1235 x 600 x 697	1235 x 1115 x 697
Equipment - shelves	Drum supports	2 x grid, galvanised	Drum supports	Guide rails and grid, galvanised
Storage capacity	205 litre drums	Small container	205 litre drums	30 litre canister
Number	4	—	2	4
Additional storage capacity	—	—	60 litre drums	Small container
Number	—	—	3	—
Sump capacity [l]	270	270	270	270
Load capacity drum support [kg]	350	—	350 / 120	—
Rack load [kg]	1400	820	1060	820
Order number	114-698-J1	114-693-J1	114-694-J1	114-696-J1



Drum storage racks with polyethylene spill trays

- For the legally compliant storage of substances in all water-polluting classes and aggressive chemicals
- For the horizontal storage of 60 litre drums and small containers
- For the safe dispensing and storage of aggressive chemicals such as acids and alkalis
- Sturdy drum rack in steel with drum supports, galvanised
- Spill pallet made from environmentally-friendly polyethylene (PE)
- Simple and quick to fit
- Delivered flat-pack, with instructions for assembly



Drum rack Model FR-K 6-60 for 6 x 60 litre drums,
with polyethylene spill pallet

Order no. 157-614-J1



Drum rack model FR-K 2-60 for 2 x 60 litre drums,
with polyethylene spill pallet, grid optional

Order no. 157-586-J1

Order at the same time



Dispensing tray in PE, dimensions
W x D x H (mm): 270 x 270 x 300,
Order no. 114-902-J1



Dispensing tray in steel,
dimensions W x D x H (mm):
280 x 270 x 300,
Order no. 114-543-J1



Drum roller for horizontal drums,
Order no. 114-542-J1



Collision protection CORNER,
Order no. 203-606-J1



Model	Fr-k 2-60	Fr-k 3-60	Fr-k 6-60	Fr-k 9-60
Storage capacity for 60 litre drums	2	3	6	9
External dimensions W x D x H [mm]	755 x 795 x 1570	755 x 795 x 1570	1330 x 1168 x 1570	1330 x 1168 x 1570
Load [kg]	120	120	360	360
Load capacity per drum support [kg]	120	120	120	120
Sump capacity [l]	100	100	205	205
Order number	157-586-J1	157-595-J1	157-614-J1	149-267-J1
Accessories				
Order number Grid: plastic	150-861-J1	—	—	—
Order number Grid: galvanized	101-583-J1	—	—	—

Drum racks with steel spill
pallets are available from
our online shop at
www.denios.co.uk

DENIOS
onlineshop



Drum rack model fr-s 6-60 with 2
shelves for up to 6 x 60 litre drums and
small containers, spill pallet in steel
(volume: 200 litres) for direct storage,
Order no. 157-612-J1



All drums are fully compliant
with HSE legislation and environmental
pollution prevention guidelines



RAL-RG 614/2 (H21)

Model FR, for 60 and 205 litre drums

- For storing flammable liquids
- Shelving frame galvanised, cross members powder coated red-orange (RAL 2001)
- Adjustable shelf height through hole distance of 50 mm
- Galvanised drum supports with shelf guard
- Galvanised spill pallet in steel
- 100 mm ground clearance to avoid corrosion
- Can be expanded at any time
- Delivered flat-pack, with instructions for assembly



All shelving is galvanised for
optimum corrosion protection.



Drum rack model FR-2014/4, for 4 x 205 litre drums
(without dispensing tray).

Order no. 199-609-J1



Drum rack model FR-2522/9, for 9 x 205 litre drums
(without dispensing tray)

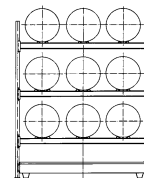
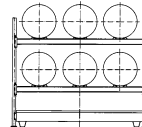
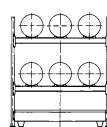
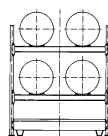
Order no. 266-332-J1

Drum racks with plastic
spill pallets are available
from our online shop at
www.denios.co.uk

DENIOS
onlineshop



Drum rack model FRP-2014/4
with plastic containment racking,
for 4 x 205 litre drums,
Order no. 201-613-J1



Model	Fr-2014/4	Fr-2014/6	Fr-2022/6	Fr-2522/9
Storage capacity	205 litre drums	60 litre drums	205 litre drums	205 litre drums
Number	4	6	6	9
Bay dimensions W x D [mm]	1400 x 800	1400 x 800	2225 x 800	2225 x 800
Load [kg]	700	1050	1050	1050
Load capacity per drum support [kg]	350	350	350	350
Sump capacity [l]	470	470	650	650
Number of storage levels	2	2	2	3
External dimensions W x D x H [mm]	1600 x 1300 x 2200	1600 x 1300 x 2200	2425 x 1300 x 2200	2425 x 1300 x 2700
Order number Basic shelf	199-609-J1	199-613-J1	266-328-J1	266-332-J1
External dimensions W x D x H [mm]	1500 x 1300 x 2200	1500 x 1300 x 2200	2325 x 1300 x 2200	2325 x 1300 x 2700
Order number Extension shelf	199-610-J1	199-614-J1	266-329-J1	266-333-J1



Model RWP, plastic containment racking

- For existing shelving systems, which are to be used for hazmat storage
- For all current shelving widths



Containment sump in polyethylene (PE) for placing under existing shelving systems, available in 5 sizes

- Base spill pallet for setting under existing pallet racks
- **For the storage of aggressive chemicals for example acids or alkali and substances in all water-polluting classes**
- Manufactured from environmentally friendly polyethylene (PE)
- 100 mm clearance between base and floor for handling and loading with forklift trucks



The PE containment racking can easily be transported indoors using a forklift



Containment racking model
RWP 14.3 In polyethylene (PE)

Order no. 201-369-J1



Containment racking model
RWP 27.11 In polyethylene (PE)

Order no. 201-373-J1

For shelves with width [mm]	1400	1800	2200	2700	2700
Model	RWP 14.3	RWP 18.4	RWP 22.5	RWP 27.6	RWP 27.11
External dimensions W x D x H [mm]	1390 x 1315 x 315	1780 x 1315 x 315	2180 x 1315 x 315	2680 x 1315 x 315	2680 x 1315 x 490
Sump capacity [l]	315	400	480	600	1100
Order number	201-369-J1	201-370-J1	201-371-J1	201-372-J1	201-373-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

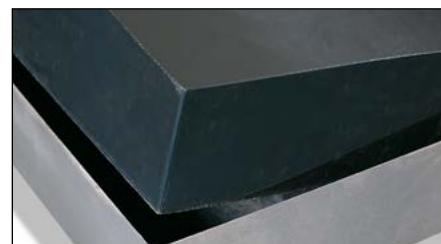
Type PRW, steel containment sump

- For existing shelving systems, which are to be used for hazmat storage
- For all current shelving widths



Galvanised containment sump for placing under existing shelving systems, available in 6 sizes, PE liners and loading grids also available as optional extras

- Base spill pallet for setting under existing pallet racks
- **For storing flammable liquids**
- Welded steel design
- Galvanised for optimum corrosion protection
- 100 mm clearance between base and floor for handling and loading with forklift trucks
- Acid-resistant spill pallet insert in polyethylene (PE) available as an option



Acid resistant polyethylene (PE) spill pallet liner available as an accessory



For shelves with width [mm]	1400	1800	2200	2700	2700	3300
Model	PRW 33	PRW 43	PRW 53	PRW 65	classic-line 2F	classic-line 3F
External dimensions W x D x H [mm]	1380 x 1300 x 390	1780 x 1300 x 345	2180 x 1300 x 345	2680 x 1300 x 345	2680 x 1300 x 485	3280 x 1300 x 422
Sump capacity [l]	490	530	650	810	1200	1250
Order number	108-971-J1	108-972-J1	108-973-J1	108-974-J1	260-449-J1	260-463-J1
Accessories	plastic inlay spill pallet	plastic inlay spill pallet	plastic inlay spill pallet	plastic inlay spill pallet	plastic inlay spill pallet	plastic inlay spill pallet
Order number	114-330-J1	114-332-J1	114-334-J1	114-336-J1	114-437-J1	180-335-J1



Go online! Discover even more exciting product highlights!

» www.denios.co.uk



Containment racking model SRW in painted steel



When storing flammable liquids, steel sumps with an adequate capacity must be placed at ground level to meet legal requirements.



Model RWP, plastic containment racking

- For existing shelving systems, the simple, economic way to convert to legally-compliant hazardous materials stores
- Space saving containment racking for fitting in pallet racks
- Highly resistant to aggressive chemicals such as acids or alkali
- Manufactured from environmentally friendly polyethylene (PE)
- The containment racking rests securely on the cross beams
- Removable grid either in steel or plastic



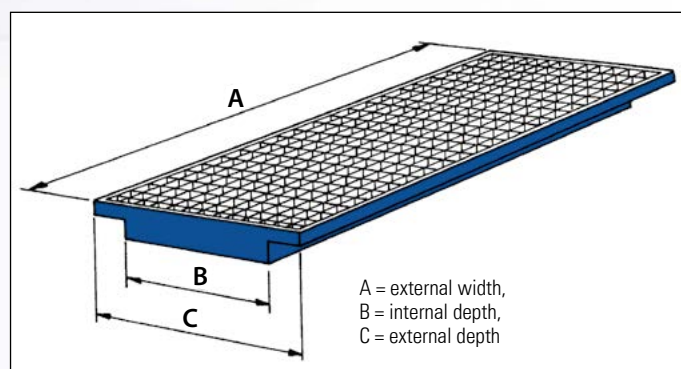
Containment racking KRW in plastic

Model PRW, steel containment racking

- For existing shelving systems, the simple, economic way to convert to legally-compliant hazardous materials stores
- Containment racking for fitting in pallet racks, space saving
- For storing flammable liquids
- Welded steel design
- Corrosion protection with high-quality paint, gentian blue (RAL 5010)
- The containment racking rests securely on the cross beams
- Removable hot dip galvanised grid as storage surface



Steel pallet racking sump SRW



i Existing shelving for water-polluting substances must be retrofitted with spill pallets. Please quote the dimensions a to C of your shelf unit. We'll help you select the best spill pallet size.

Model*	KRW 18.11	KRW 18.11	KRW 27.11	KRW 27.11	SRW 18.8	SRW 18.11	SRW 26.8	SRW 26.11	SRW 27.8	SRW 27.11
Material	Plastic	Plastic	Plastic	Plastic	Steel	Steel	Steel	Steel	Steel	Steel
Grid**	galvanized	plastic	galvanized	plastic	galvanized	galvanized	galvanized	galvanized	galvanized	galvanized
Width, external [mm]	1780	1780	2680	2680	1780	1780	2580	2580	2680	2680
Depth, external [mm]	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300
Internal depth [mm]	900	900	900	900	650	900	650	900	650	900
Height, external [mm]	250	275	190	215	245	185	185	145	175	140
Sump capacity [l]	235	235	235	235	220	220	220	220	220	220
Overall load capacity [kg]	800	800	800	800	2000	2000	3000	3000	3000	3000
Order number	179-585-J1	179-586-J1	179-587-J1	179-588-J1	115-105-J1	115-106-J1	115-107-J1	115-109-J1	115-110-J1	115-111-J1

*Also available with larger sump volume and/or special dimensions on request.

**Plastic grid for storing containers on pallets

Pallet racking model PR with steel spill pallet



Pallet rack, model PR 27.37, with one basic and one extension shelf



All racking is galvanised for optimum corrosion protection

Pallet racking type PR 33.25, base level (without CORNER protection elements), Order no. 199-723-J1

- For storing flammable liquids and all categories of water-polluting substances
- Shelving frame galvanised, cross members powder coated red-orange (RAL 2001)
- Adjustable shelf height through hole distance of 50 mm
- Shelf guard on every storage level
- Galvanised spill pallet in steel
- 100 mm ground clearance to avoid corrosion
- Can be expanded at any time
- Delivered flat-pack, with instructions for assembly



Grids (available as an option) can also be used for storing individual containers, mesh boxes or drum supports for horizontal drums in the rack.

Model	PR 18.25	PR 18.37	PR 27.25	PR 27.37	PR 33.25	PR 33.37
Storage capacity - Euro pallets	4	6	6	9	6	9
Storage capacity alternative - chemical pallets	2	3	4	6	6	9
Bay dimensions W x D [mm]	1825 x 1100	1825 x 1100	2700 x 1100	2700 x 1100	3300 x 1100	3300 x 1100
Load [kg]	2200	2200	3540	3540	3780	3430
Sump capacity [l]	530	530	800	800	1250	1250
Number of storage levels	2	3	2	3	2	3
Basic shelf						
External dimensions W x D x H [mm]	2025 x 1300 x 2700	2025 x 1300 x 3800	2900 x 1300 x 2700	2900 x 1300 x 3800	3500 x 1300 x 2700	3500 x 1300 x 3800
Order number	266-311-J1	266-313-J1	199-629-J1	199-631-J1	199-723-J1	199-725-J1
Extension shelf						
External dimensions W x D x H [mm]	1925 x 1300 x 2700	1925 x 1300 x 3800	2800 x 1300 x 2700	2800 x 1300 x 3800	3400 x 1300 x 2700	3400 x 1300 x 3800
Order number	266-312-J1	266-314-J1	199-630-J1	199-632-J1	199-724-J1	199-726-J1
Accessories						
Grids / shelves, galvanised	Grids / shelves, galvanised	Grids / shelves, galvanised	Grids / shelves, galvanised	Grids / shelves, galvanised	Grids / shelves, galvanised	Grids / shelves, galvanised
Order number	200-237-J1	200-237-J1	120-232-J1	120-232-J1	145-616-J1	145-616-J1



DENIOS
warranty

5
years

All sumps are fully compliant
with HSE legislation and environmental
pollution prevention guidelines



RAL-RG 614/2 (H21)

**Pallet racking with
sump pallets**

1

Pallet racking model PRP with plastic spill pallet

- For the storage of aggressive chemicals for example acids or alkali and substances in all water-polluting classes
- Shelving frame galvanised, cross members powder coated red-orange (RAL 2001)
- Cross members height adjustable in 50 mm increments
- Shelf guard on every storage level
- Polyethylene (PE) spill pallet, with high resistance to aggressive chemicals such as acids or alkali
- 100 mm ground clearance for ease of transport
- Can be expanded at any time
- Delivered flat-pack, with instructions for assembly



All racking is galvanised for
optimum corrosion protection



Pallet racking type PRP 27.44, base level,
Order no. 201-635-J1

Order at the same time



**Collision protection
CORNER**

Order no. 203-606-J1



Pallet racking type PRP 27.27, base level,
Order no. 201-633-J1

Model	PRP 18.25	PRP 18.37	PRP 27.25	PRP 27.37	PRP 27.27	PRP 27.44
Storage capacity - Euro pallets	4	6	6	9	6	9
Storage capacity alternative - chemical pallets	2	3	4	6	4	6
Bay dimensions W x D [mm]	1825 x 1100	1825 x 1100	2700 x 1100	2700 x 1100	2700 x 1100	2700 x 1100
Load [kg]	2200	2200	3540	3540	3540	3540
Sump capacity [l]	450	450	730	730	1230	1230
Number of storage levels	2	3	2	3	2	3
Basic shelf						
External dimensions W x D x H [mm]	2025 x 1315 x 2700	2025 x 1315 x 3800	2900 x 1315 x 2700	2900 x 1315 x 3800	2900 x 1315 x 2700	2900 x 1315 x 4400
Order number	266-315-J1	266-317-J1	201-625-J1	201-627-J1	201-633-J1	201-635-J1
Extension shelf						
External dimensions W x D x H [mm]	1925 x 1315 x 2700	1925 x 1315 x 3800	2800 x 1315 x 2700	2800 x 1315 x 3800	2800 x 1315 x 2700	2800 x 1315 x 4400
Order number	266-316-J1	266-318-J1	201-626-J1	201-628-J1	201-634-J1	201-636-J1
Accessories						
Grids / shelves, galvanised	Grids / shelves, galvanised	Grids / shelves, galvanised	Grids / shelves, galvanised	Grids / shelves, galvanised	Grids / shelves, galvanised	Grids / shelves, galvanised
Order number	200-237-J1	200-237-J1	120-232-J1	120-232-J1	120-232-J1	120-232-J1

Model K, for storage of IBCs

- Build your own shelving system with Basic and extension shelves
- For storing flammable liquids
- Shelving frame galvanised, cross members powder coated red-orange (RAL 2001)
- Galvanised fluid guides, on 3 sides of each shelf with integral shelf guard
- Storage levels with removable galvanised grid shelves, the bottom one has a spill pallet

- Suitable for storing Euro or chemical pallets
- Adjustable shelf height through hole distance of 50 mm
- Can be expanded at any time
- Delivered flat-pack, with instructions for assembly



Combi rack Model 4 K6-I, basic shelf with painted spill pallet (Corner protection elements optional), Order no. 200-023-J1



Combi rack Model 3 K4-I, basic shelf with galvanised spill pallet (corner protection elements optional), Order no. 199-647-J1

Order at the same time

SpillGuard® hazardous substance leak warning system

Order no. 271-433-J1

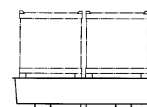


INNOVATION

See page
420-421



IBC station DENIOS classic-line 2F for use as a storage station



Model	IBC stations DENIOS classic-line F	IBC stations DENIOS classic-line 2F
Storage capacity for 1000 litre IBCs	1	2
External dimensions W x D x H [mm]	1350 x 1300 x 915	2680 x 1300 x 480
Overall load capacity [kg]	2000	4000
Sump capacity [l]	1120	1200
Order number powder coated	259-387-J1	259-397-J1
Order number galvanized	259-388-J1	259-398-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines



RAL-RG 614/2 (H21)

Combi racks

1



All racking is galvanised for optimum corrosion protection



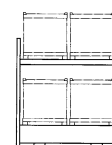
Combi rack model 3 K4-I, basic shelf with painted spill pallet (CORNER protection elements optional), Order no. 199-657-J1



Combi Rack Model 3 K2-I basic shelf unit with painted spill pallet, Order no. 201-876-J1



Plastic spill pallet inserts are recommended for storing acids and alkalis, see the "accessories" table.



Order at the same time



Collision protection CORNER

Order no. 203-606-J1

Model	3 K2-I	3 K4-I	4 K6-I
Storage capacity for 1000 litre IBCs	2	4	6
Bay dimensions W x D [mm]	1400 x 1100	2700 x 1100	2700 x 1100
Load [kg]	1400	3000	3000
Spill pallet load capacity [kg]	2000	4000	4000
Sump capacity [l]	1120	1200	1200
Extension shelf			
External dimensions W x D x H [mm]	1500 x 1300 x 3300	2800 x 1300 x 3300	2800 x 1300 x 4400
Order number Spill pallet: painted	201-877-J1	199-658-J1	200-024-J1
External dimensions W x D x H [mm]	1500 x 1300 x 3300	2800 x 1300 x 3300	2800 x 1300 x 4400
Order number Spill pallet: Galvanised	201-879-J1	199-648-J1	200-026-J1
Basic shelf			
External dimensions W x D x H [mm]	1600 x 1300 x 3300	2900 x 1300 x 3300	2900 x 1300 x 4400
Order number Spill pallet: painted	201-876-J1	199-657-J1	200-023-J1
External dimensions W x D x H [mm]	1600 x 1300 x 3300	2900 x 1300 x 3300	2900 x 1300 x 4400
Order number Spill pallet: Galvanised	201-878-J1	199-647-J1	200-025-J1
Accessories			
	plastic inlay spill pallet	plastic inlay spill pallet	plastic inlay spill pallet
Order number	114-434-J1	114-437-J1	114-437-J1

Type P0

- Pallet racks save space, reduce processing time, improve working practices and so increase productivity



Pallet racking Model P0, basic section

- Sturdy shelving system for all loading aids for example Euro or mesh box pallets
- Ideal for efficient, orderly and adaptable pallet storage
- Shelving frame galvanised, cross members powder coated red-orange (RAL 2001)
- Adjustable shelf height through hole distance of 50 mm
- Can be expanded at any time
- Delivered flat-pack, with instructions for assembly



Euro mesh box exchange pallet meeting UIC standard 435-3, ideal for storage and transport, Order no. 129-203-J1

More information

See page
547

Order at the same time



Galvanised shelves allow direct storage of individual packets for example, see table; not suitable for pallet storage or use with a forklift.



Galvanised grids to store different sized storage media next to each other or to create commissioning areas in shelves, see table.



Shelf guards prevent the load carrier / pallets from being pushed too far, see table.



Angular supports are required for the storage of mesh boxes in the rack. The lateral guide of the angular support ensures safe storage of the mesh box. Order no. 199-673-J1



Frame extension, 500 mm this ensures that the required drop protection of a minimum of 500 mm from the upper edge of the upper cross member is maintained. Order no. 199-670-J1



Pallet racking Model PO 18.25,
basic and extension unit

i Each shelf level is supplied with 2 pairs of transverse members, additional transverse members can be used (see accessories table).

Model	PO 18.25	PO 18.37	PO 27.25	PO 27.37	PO 33.25	PO 33.37
Bay dimensions W x D [mm]	1825 x 1100	1825 x 1100	2700 x 1100	2700 x 1100	3300 x 1100	3300 x 1100
Load [kg]	2200	2200	3540	3540	3780	3780
Rack load [kg]	4400	4400	7080	7080	7560	7560
Basic shelf						
External dimensions W x D x H [mm]	2025 x 1100 x 2700	2025 x 1100 x 3800	2900 x 1100 x 2700	2900 x 1100 x 3800	3500 x 1100 x 2700	3500 x 1100 x 3800
Order number	266-319-J1	266-321-J1	199-699-J1	199-705-J1	199-701-J1	199-707-J1
Extension shelf						
External dimensions W x D x H [mm]	1925 x 1100 x 2700	1925 x 1100 x 3800	2800 x 1100 x 2700	2800 x 1100 x 3800	3400 x 1100 x 2700	3400 x 1100 x 3800
Order number	266-320-J1	266-322-J1	199-700-J1	199-706-J1	199-702-J1	199-708-J1
Accessories						
Order number Shelf guard, galvanised	266-325-J1	266-325-J1	199-540-J1	199-540-J1	199-545-J1	199-545-J1
Order number Additional transverse pairs	266-323-J1	266-323-J1	199-710-J1	199-710-J1	199-711-J1	199-711-J1
Order number Shelves, galvanised	199-674-J1	199-674-J1	199-675-J1	199-675-J1	199-676-J1	199-676-J1
Order number Grids / shelves, galvanised	200-237-J1	200-237-J1	120-232-J1	120-232-J1	145-616-J1	145-616-J1

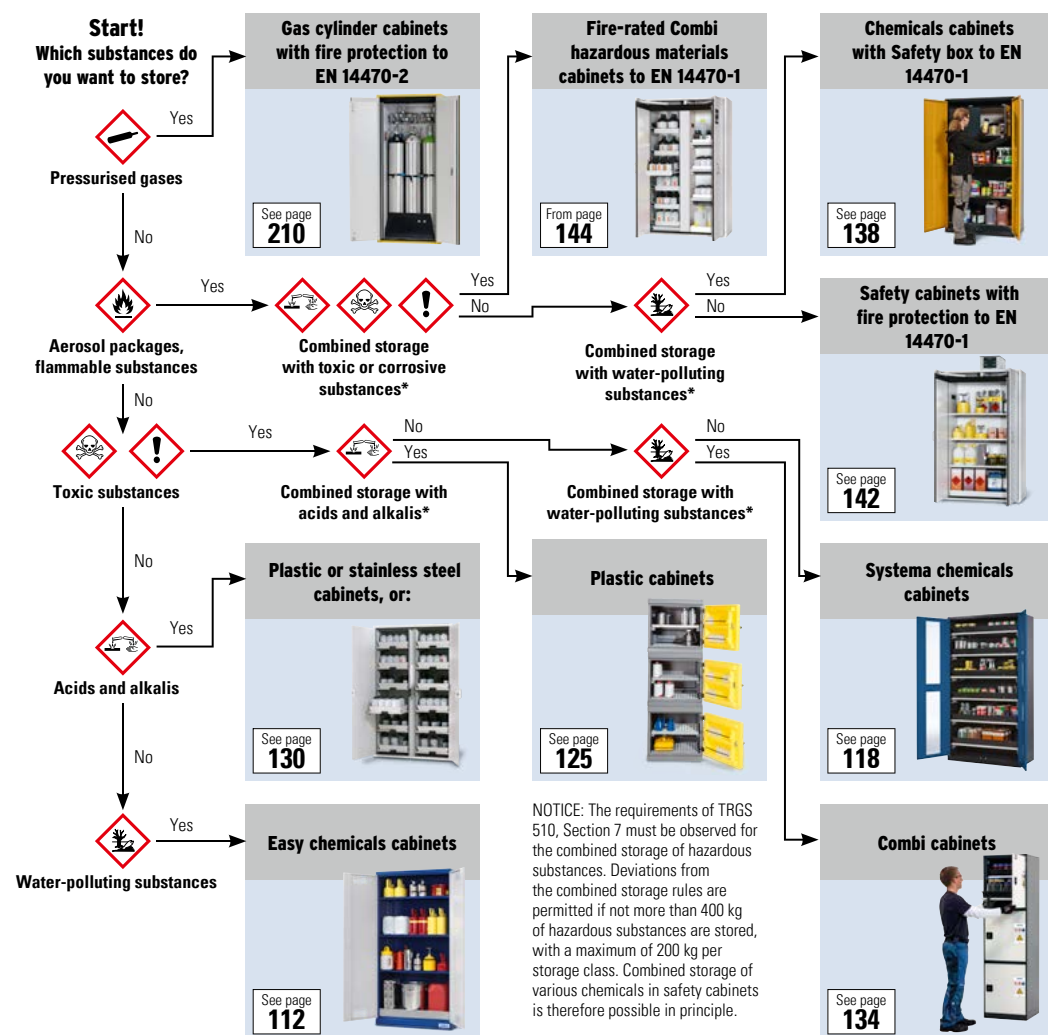
3 STEPS TO THE RIGHT CABINET.

1 What type of cabinet do you need?

Which safety cabinet you need depends largely on the properties of the substance you wish to store. In order to select the right type of cabinet, start with the greatest potential risk that the substance to be stored can pose. The following guide will help you make a selection, with suitable product examples.



The storage of explosive materials in hazardous materials cabinets is not permitted; the storage of peroxides is not recommended.



DENIOS.
onlineshop



Also read:
Protect hazardous substances and work areas from unauthorised access.

www.denios.co.uk/secure-access



2 What type of equipment do you need?

Technical ventilation

Depending on the model, safety cabinets have natural ventilation or ventilation connection points for extraction to the outside. With the DENIOS air recirculation filter system, it is also possible to ensure cost-effective technical air extraction without expensive air extraction equipment and while avoiding explosion protection measures.

Door designs which meet your needs

Manual wing doors (1 or 2-wing) are the most common variant. Models with folding doors, sliding doors, shutters or vertical pull-outs are also options to consider when space is at a premium.

Thought-out space

Additional shelves, spill trays and pull-out shelves can be configured in various ways depending on model, or are available as an accessory.

Effective leak prevention

Spill pallets in steel or plastic are used in all types of safety cabinets for flammable liquids, non-flammable chemicals or corrosive substances such as acids and alkalis.

Do you need access underneath?

The base gives a pallet truck easy access under the cabinet, so a pallet for internal transport of the cabinet is no longer needed.



3 What dimensions and capacity should the cabinet have?

Depending on the amount to be stored and the space available at the installation site, a customer generally chooses between a conventional cabinet which can be set up directly next to a workbench or worktable (depending on model, available in various widths), an underbench cabinet or a wall mounted cabinet, which can be directly mounted on the wall. If you are not just storing small containers but also need to store drums at the workplace, a drum storage cabinet can be used which is specially designed for storing 205 litre drums.



Don't search! Find!

Just a few clicks to find the right cabinet! Speed up the selection process now! With our product finder for hazardous materials cabinets, you'll quickly find your ideal product.

» www.denios.co.uk



We would be pleased to provide you with advice!

Do you want to be completely safe? Let us offer advice! We offer a range of fire-rated storage containers for active storage of flammable substances with convenient capacities and the corresponding safety equipment.

☎ **01952 811 991**



The latest innovation for fire-rated safety cabinets: Scoper with vertical pull-out technology – a real space miracle for any workplace. Curious? Find out more about Scoper from page 160.



Chemicals cabinet with wing doors and sumps

Safe, legally compliant storage of water-polluting, non-flammable liquids and toxic substances in workrooms in accordance with TRGS 510



Certified and approved. The highest levels of environmental protection and safety.

» denios.shop/certificates



- Wing doors have a cylinder lock and covered locking bar
- Full specification with spill trays
- Sturdy sheet steel design
- Height-adjustable spill trays
- Body in fine steel sheet with sturdy, quality

Order at the same time

SpillGuard® hazardous substance leak warning system

Order no. 271-433-J1



INNOVATION

See page
420-421

The height-adjustable spill trays are sealed by welding and safely contain any fluid leaks that occur, model CS 104



The practical 1100 mm height (model CS 102) enables it to be placed under windows or shelves for example

TOP PRODUCT

Order no. 201-960-J1

Model	CS 104 protect	CS 102 protect
Features	3 spill trays, 1 spill pallet	1 spill tray, 1 floor spill pallet
Door version	hinged door	hinged door
External dimensions W x D x H [mm]	1000 x 500 x 1950	1000 x 500 x 1100
Spill pallet load capacity [kg]	75	75
Spill pallet capacity [l]	20	20
Spillage decking capacity [l]	30	30
Order number	201-960-J1	202-147-J1
Accessories		
Order number Additional spill tray	273-934-J1	206-324-J1
Order number Perforated metal insert for floor spill pallet	273-935-J1	202-146-J1
Order number PE inlay spill pallet for spill tray	274-022-J1	207-326-J1
Order number PE inlay sump for spillage decking	274-005-J1	207-325-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

View chemical cabinets

Acrylic glass doors give a quick overview of contents

paintwork, body gentian blue (RAL 5010), doors light grey (RAL 7035)

- Permanent air exchange via ventilation grid in the doors
- Supplied ready assembled



Good looks and safety go hand in hand - the view chemicals cabinet has a sturdy steel design and includes doors with acrylic glass inserts



Order at the same time



PE inlay sump for safe storage of aggressive liquids

Perforated metal inserts protect stored items from any escaping liquids (cannot be used in combination with PE inlay spill pallets)



Model	CS 104G view
Features	3 spill trays, 1 spill pallet
Door version	hinged door with glass insert
External dimensions W x D x H [mm]	1000 x 500 x 1950
Spill pallet load capacity [kg]	75
Spill pallet capacity [l]	20
Spillage decking capacity [l]	30
Order number	219-291-J1
Accessories	
Order number Additional spill tray	206-324-J1
Order number Perforated metal insert for floor spill pallet	202-146-J1
Order number PE inlay spill pallet for spill tray	207-326-J1
Order number PE inlay sump for spillage decking	207-325-J1



Chemicals cabinet Easy, with wing doors

For safe, approved storage of water-hazardous, non-flammable liquids and toxins in work areas



- Wing doors have a cylinder lock and covered locking bar
- Body in fine steel sheet with sturdy, quality paintwork, body gentian blue (RAL 5010), doors light grey (RAL 7035)
- Permanent air exchange via ventilation grid in the doors
- Supplied ready assembled
- With 3 shelves (height adjustable in increments of 25 mm) and tested, spill pallet
- Incl. document storage

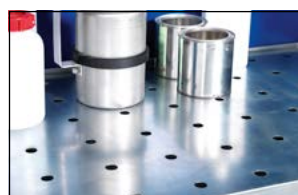


Easy chemicals cabinet - the all-rounder for workshops and laboratories The combination of shelves and a floor spill pallet provides secure storage space right by the workstation

The proven all-rounder for cost-effective storage.

Model	CS 103
Features	3 shelves, 1 spill pallet
External dimensions W x D x H (mm)	1000 x 500 x 1950
Shelf load capacity (kg)	75
Spillage decking capacity (l)	30
Order number	201-936-J1
Accessories	
Order number Additional shelf	273-937-J1
Order number Perforated metal insert for floor spill pallet	273-935-J1
Order number PE inlay sump for spillage decking	274-005-J1

Order at the same time



Perforated metal inserts protect stored items from any escaping liquids (cannot be used in combination with PE inlay spill pallets)



PE inlay sump for safe storage of aggressive liquids



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Chemicals cabinets

- Safe, legally compliant storage of water-polluting, non-flammable liquids and toxic substances in workrooms in accordance with TRGS 510
- Body in fine steel sheet with sturdy, quality paintwork, body gentian blue (RAL 5010), doors light grey (RAL 7035)
- Sturdy sheet steel design
- Ideal for very small quantities and small containers



Accessories are available in the shop!

» denios.shop/chemical-cabinets

Wall mounted cabinet Mini, Model CS 100

- Space saving, can be sited next to the work area
- Incl. mounting materials
- Wing doors with security lock

NEW

Order no. 250-587-J1



Small items cabinet Shorty, Model CS 120-4

- Removable spill pallets, ideal if cleaning is needed
- Separate, clear sorting and storage of hazardous substances
- Wing doors with security lock
- Perforated plate available as an option

NEW

Order no. 250-588-J1



Depot, Model KT

- Depot for storing small containers, available on feet or castors
- 2 castors with locking brakes
- Height-adjustable spill trays
- Width including handle: 1235 mm

NEW

Order no. 250-586-J1



Photo shows optional second spill pallet

	①	②	③	④
Model	CS 100	CS 120-4	KT-1	KT-2
Features	1 floor spill tray	1 floor spill pallet per bay	1 spill tray, 1 spill pallet, on castors	1 spill tray, 1 spill pallet, on feet
External dimensions W x D x H [mm]	1000 x 500 x 500	1200 x 500 x 1100	1162 x 630 x 1206	1162 x 630 x 1206
Spill pallet load capacity [kg]	15	60	45	45
Spill pallet capacity [l]	—	—	28	28
Spillage decking capacity [l]	30	30	60	60
Order number	250-587-J1	250-588-J1	250-586-J1	250-589-J1



Chemicals cabinets with sliding doors - offering a large storage area with little space required

For safe, approved storage of water-hazardous, non-flammable liquids and toxins in work areas



- Space saving storage thanks to sliding doors
- Quick, easy access to stored goods
- Sturdy sheet steel design
- Body in fine steel sheet with sturdy, quality paintwork, body gentian blue (RAL 5010), doors light grey (RAL 7035)
- Permanent air exchange via ventilation grid in the doors
- Supplied ready assembled
- Spill tray height can be adjusted in 25 mm increments



With one movement you gain access to everything inside the cabinet. Adapt the height of the spill tray shelves to the size of the containers being stored. In this way both small and large containers can be stored in one cabinet.

Smooth-running sliding doors on roller bearings with a cylinder safety lock ensure secure storage of hazardous materials.

Model	CS 124	CS 184
Features	3 spill trays, 1 spill pallet (1 cabinet bay)	6 spill trays, 2 spill pallets (2 cabinet bays)
External dimensions W x D x H [mm]	1200 x 500 x 1950	1800 x 500 x 1950
Spill pallet load capacity [kg]	75	75
Spill pallet capacity [l]	20	39
Spillage decking capacity [l]	20	30
Order number	201-639-J1	201-640-J1
Accessories		
Order number Additional spill tray	211-270-J1	211-271-J1
Order number Perforated insert for sumps and base sump	202-118-J1	202-119-J1
Order number PE inlay spill pallet for spill tray	207-328-J1	207-330-J1
Order number PE inlay sump for spillage decking	207-329-J1	207-331-J1

Order at the same time

Type CS-P small container sump.

- Inlay sumps provide corrosion protection from aggressive hazardous materials
- Leakages can be dealt with easily and safely



Small container sumps made of polyethylene (PE), Order no. 207-332-J1



Dispensing cabinet Profi

For safe, approved storage of water-hazardous, non-flammable liquids and toxins in work areas

- Body and doors in fine sheet steel with sturdy, quality paint finish in gentian blue (RAL 5010)
- Tested spill pallet (in accordance with Stawa-R)
- Permanent air exchange via ventilation grid in the doors
- Standard equipment: 1 removable spill pallet, 1 shelf, 3 slide out shelves each for 3 x 20 litre canisters or 5 x 10 litre canisters Canisters available as an option
- Safety device prevents several shelves being pulled out at once
- Mounting kit for wall mounting included
- Pull-out shelf dimensions: W 890 x D 420 mm

Order no. 201-937-J1

- ① The slide-out shelves make it easier to insert and remove the containers
- ② Secure handling of stored canisters The slide-out floor spill pallet safely holds any drips



Ideal for the active and passive storage of hazardous substances. The profi dispensing cabinet offers safety combined with functionality.

Model	Uwa-a
External dimensions W x D x H [mm]	1000 x 550 x 1950
Shelf load capacity [kg]	75
Load capacity pull-out shelf [kg]	120
Spillage decking capacity [l]	39
Order number	201-937-J1
Accessories	
Order number Small container sumps made of polyethylene (PE)	207-320-J1

Order at the same time



Suitable for profi dispensing cabinet 10 L and 20 L PE canister, available with or without 3/4" tap Canisters have a wide mouth The canister lid is fitted with a poppet valve

PE canister, 10 and 20 litres

Extra wide mouth (80 mm)

- With pressure release valve and PE foam seal in the lid
- For transporting, storing, dispensing and filling
- Made from food-safe and chemical resistant polyethylene (PE)

Capacity [l]	10	10	20	20
Model	Without Tap	With Tap	Without Tap	With Tap
External dimensions L x W x H [mm]	280 x 170 x 280	350 x 170 x 280	290 x 255 x 390	360 x 255 x 390
Order number	211-363-J1	207-398-J1	211-364-J1	207-399-J1



Plastic tap 3/4" for PE canister

Order number
207-202-J1

■ **Maximum capacity 50 litres per cabinet for highly flammable or extremely flammable materials**

- Fully diecast handles
- Labelled flammable and flammable liquid
- Powder coated, 'HI-VIZ' yellow finish or grey, please specify at time of order 'hi-viz' Powder coated, 'HI-VIZ' yellow finish or grey, please specify at time of order
- Robust steel construction with reinforced doors and secure locking
- **Designed to provide safe and secure storage of chemicals, paints and many other hazardous substances**
- Stands available as an optional extra

Mini hazardous storage cabinets



Mini Hazardous Storage Cabinet
model HZ11

Model	HZ11	HZ12	HZ13	HZ7	HZ8
Body dimensions W x D x H [mm]	915 x 381 x 610	457 x 457 x 610	460 x 305 x 460	1170 x 460 x 610	381 x 510 x 510
Number of storage levels	1	1	1	—	—
Spill pallet capacity [l]	15	10	5	30	15
Order number	157-728-J1	157-731-J1	157-734-J1	119-338-J1	119-339-J1
Order number: extra tray	—	119-341-J1	—	—	—
Order number: stand	—	119-344-J1	—	—	—

Hazardous storage bins and cabinets



Model	HZ1	HZ3	HZ4	HZ5	HZ6	HZ9	HZ10
Body dimensions W x D x H [mm]	915 x 457 x 1830	460 x 460 x 910	915 x 460 x 1000	355 x 305 x 710	915 x 457 x 710	570 x 225 x 850	457 x 305 x 710
Number of storage levels	3	1	1	1	1	1	1
Spill pallet capacity [l]	36	15	30	5	30	—	10
Order number	119-332-J1	119-334-J1	119-335-J1	119-336-J1	119-337-J1	131-182-J1	157-725-J1
Order number: stand	119-345-J1	119-344-J1	119-345-J1	—	119-345-J1	—	—
Order number: extra tray	119-342-J1	119-341-J1	119-342-J1	119-340-J1	119-342-J1	—	—

Mobile hazardous storage cabinet

- Mobile hazardous storage cabinets combine safe storage with manoeuvrability

Ideally suited to janitorial use or where flexibility of storage is required within a constant moving environment. This upgraded model now includes a larger spill tray, offering better all round protection.

- Large diameter wheels with rubber tyres for easy handling
- Removable spill trays
- Base has four lockable swivel castors



Mobile hazardous storage cabinet
model HZ6-M

Order no. 131-187-J1



Model	HZ4-M	HZ6-M
Body dimensions W x D x H (mm)	900 x 460 x 900	900 x 460 x 700
Number of storage levels	1	1
Spill pallet capacity [l]	14	14
Order number	131-185-J1	131-187-J1

COSHH cabinets

- Powder coated, grey finish
- Fully diecast handles
- Maximum capacity 50 litres
- Stands available as an optional extra
- Robust steel construction with reinforced doors and secure locking
- Designed for the storage of all hazardous materials, but ideally suited to those applications where additional segregation is required away from flammable materials



Model	CSH1	CSH2	CSH3	CSH4
Body dimensions W x D x H (mm)	915 x 457 x 1830	915 x 457 x 915	457 x 457 x 915	457 x 305 x 710
Number of storage levels	3	1	1	1
Spill pallet capacity [l]	36	30	15	10
Order number	167-270-J1	167-271-J1	167-272-J1	167-273-J1



System was developed to offer practical, professional solutions for the wide-ranging requirements of hazardous materials storage. System brings order and safety to hazardous substance storage in the workplace. The variation within the range offers many solutions. Just call us if you need more solution suggestions.

- Door solutions available:
wing doors = quick access to all contents
folding doors = take up minimal space when open
wing doors with glass inserts = see the cabinet contents at a glance
- The single-door chemicals cabinets (W 545 mm) can also be supplied on request with the door opening right
- Tested spill pallet (in accordance with Stawa-R)

System chemical cabinets with shelves, height 1105 mm

Ventilation fittings, extraction fans and additional accessories can be found

From page
164



Chemicals cabinet model CS 52 with wing door



The compact chemicals cabinet can be supplied with 2 shelves and a tested spill pallet, in this picture model CS-102



Chemicals cabinet model CS 52 with wing door and integral glass insert

Features	2 shelves, floor spill pallet	2 shelves, floor spill pallet	2 shelves, floor spill pallet
External dimensions W x D x H [mm]	545 x 520 x 1105	810 x 520 x 1105	1055 x 520 x 1105
Internal dimensions W x D x H [mm]	486 x 493 x 990	751 x 493 x 990	996 x 493 x 990
Shelf load capacity [kg]	50	60	100
Spillage decking capacity [l]	22	33	33
Door hinge	left	both sides	both sides
Order number hinged door	202-549-J1	202-581-J1	202-597-J1
Order number hinged door with glass insert	202-621-J1	202-653-J1	202-669-J1
Accessories			
Order number Additional shelf	202-801-J1	202-802-J1	202-803-J1
Order number Perforated metal insert for floor spill pallet	202-809-J1	202-810-J1	202-811-J1



Order at the same time


The new look (body in anthracite grey and doors available in 7 different colours) offers maximum individuality and a modern appearance. The textured surface finish is scratch resistant and suitable for a tough environment.

Please specify required door colour when ordering.

Body colour; anthracite grey, RAL 7016


 Door colour: gentian blue, RAL 5010

 Door colour: signal yellow, RAL 1004

 Door colour: light grey, RAL 7035

 Door colour: Pure white, RAL 9010

 Door colour: Reseda green, RAL 6011

 Door colour: Silver, similar to RAL 9006

 Door colour: Signal red, RAL 3020

Systema chemicals cabinets with shelves



Wing doors with glass inserts offer a handy view of the cabinet contents, model CS-53L



Chemicals cabinet with 3 shelves (adjustable in 25 mm increments), floor spill pallet, model CS-103, perforated metal insert optional

Features	3 shelves, floor spill pallet	3 shelves, floor spill pallet	3 shelves, floor spill pallet
External dimensions W x D x H [mm]	545 x 520 x 1950	810 x 520 x 1950	1055 x 520 x 1950
Internal dimensions W x D x H [mm]	486 x 493 x 1835	751 x 493 x 1835	996 x 493 x 1835
Shelf load capacity [kg]	50	60	100
Spillage decking capacity [l]	22	33	33
Door hinge	left	both sides	both sides
Order number hinged door	202-565-J1	202-589-J1	202-605-J1
Order number hinged door with glass insert	202-637-J1	202-661-J1	202-677-J1
Accessories			
Order number Additional shelf	202-801-J1	202-802-J1	202-803-J1
Order number Perforated metal insert for floor spill pallet	202-809-J1	202-810-J1	202-811-J1



System chemical cabinets

- With slide-out shelves, (height adjustable in increments of 25 mm), with water-tight PP spill pallet
- The slide-out shelves offer a secure storage place for small containers and need only minimum force to pull them out
- The single-door chemicals cabinets (W 545 mm) can also be supplied on request with the door opening right
- Door solutions available:
 - wing doors** = quick access to all contents
 - folding doors** = take up minimal space when open
 - wing doors with glass inserts** = see the cabinet contents at a glance
- Safe storage of water-polluting, non-flammable liquids and toxic substances in workrooms

System chemical cabinets with pull-out shelves, height 1105 mm

Ventilation fittings, extraction fans and additional accessories can be found

From page
164



The slide-out shelves offer a secure storage place for small containers and need only minimum force to pull them out



Wing doors with glass inserts offer rapid orientation and are visually appealing, model CS 102



Storage of hazardous materials in the minimum space, model cs-52



Organised, clear storage

Features	2 pull-out shelves	2 pull-out shelves	2 pull-out shelves	3 pull-out shelves	3 pull-out shelves	3 pull-out shelves
External dimensions W x D x H [mm]	545 x 520 x 1105	810 x 520 x 1105	1055 x 520 x 1105	545 x 520 x 1105	810 x 520 x 1105	1055 x 520 x 1105
Internal dimensions W x D x H [mm]	486 x 493 x 990	751 x 493 x 990	996 x 493 x 990	486 x 493 x 990	751 x 493 x 990	996 x 493 x 990
Door hinge	left	both sides	both sides	left	both sides	both sides
Slide-out spill pallet load capacity [kg]	30	30	30	30	30	30
Slide-out spill pallet capacity [l]	11	22	33	11	22	33
Order number hinged door	208-617-J1	208-644-J1	208-653-J1	208-832-J1	208-852-J1	208-862-J1
Order number hinged door with glass insert	208-669-J1	208-686-J1	208-699-J1	208-707-J1	208-808-J1	208-818-J1
Accessories						
Order number Additional slide-out shelf	210-388-J1	210-389-J1	202-804-J1	210-388-J1	210-389-J1	202-804-J1






The 2-colour concept

The new look (body in anthracite grey and doors available in 7 different colours) offers maximum individuality and a modern appearance. The textured surface finish is scratch resistant and suitable for a tough environment.

Please specify required door colour when ordering.

Body colour: anthracite grey, RAL 7016

-  Door colour: gentian blue, RAL 5010
-  Door colour: signal yellow, RAL 1004
-  Door colour: light grey, RAL 7035
-  Door colour: Pure white, RAL 9010

-  Door colour: Reseda green, RAL 6011
-  Door colour: Silver, similar to RAL 9006
-  Door colour: Signal red, RAL 3020

Chemicals cabinets Systema, with slide-out shelves, height 1950 mm

RECOMMENDED BY PROFESSIONALS



6 slide-out shelves give easy access and help you keep numerous small containers in order



The size and number of the containers you need to store define the choice of hazardous materials cabinet you will need. With 4 slide-out shelves (model 104) for storing containers of different sizes. Additional slide-out shelves may be fitted as an option.

Features	4 pull-out shelves	4 pull-out shelves	4 pull-out shelves	6 pull-out shelves	6 pull-out shelves	6 pull-out shelves
External dimensions W x D x H [mm]	545 x 520 x 1950	810 x 520 x 1950	1055 x 520 x 1950	545 x 520 x 1950	810 x 520 x 1950	1055 x 520 x 1950
Internal dimensions W x D x H [mm]	486 x 493 x 1835	751 x 493 x 1835	996 x 493 x 1835	486 x 493 x 1835	751 x 493 x 1835	996 x 493 x 1835
Door hinge	left	both sides	both sides	left	both sides	both sides
Slide-out spill pallet load capacity [kg]	30	30	30	30	30	30
Slide-out spill pallet capacity [l]	11	22	33	11	22	33
Order number hinged door	208-879-J1	208-896-J1	202-613-J1	209-057-J1	209-075-J1	209-084-J1
Order number hinged door with glass insert	208-905-J1	208-926-J1	202-685-J1	209-025-J1	209-041-J1	209-049-J1
Accessories						
Order number Additional slide-out shelf	210-388-J1	210-389-J1	202-804-J1	210-388-J1	210-389-J1	202-804-J1



Chemicals cabinets Systema, with folding doors and shelves

System was developed to offer practical, professional solutions for the wide-ranging requirements of hazardous materials storage. System brings order and safety to hazardous substance storage in the workplace. The variation within the range offers many solutions. Just call us if you need more solution suggestions.



Safe, legally compliant storage of water-polluting, non-flammable liquids and toxic substances in workrooms in accordance with TRGS 510

- Ready for connection to technical ventilation on the cabinet roof (NW 75)
- With shelves (height adjustable in increments of 25 mm) and tested spill pallet
- Body in fine sheet steel with sturdy, high quality painted finish
- Integral adjustable feet - easy cabinet set up on uneven floors
- Natural ventilation via ventilation opening at the bottom

The 2-colour concept

The new look (body in anthracite grey and doors available in 7 different colours) offers maximum individuality and a modern appearance. The textured surface finish is scratch resistant and suitable for a tough environment.

Body colour; anthracite grey, RAL 7016

-  Door colour: gentian blue, RAL 5010
-  Door colour: signal yellow, RAL 1004
-  Door colour: light grey, RAL 7035
-  Door colour: Pure white, RAL 9010
-  Door colour: Reseda green, RAL 6011
-  Door colour: Silver, similar to RAL 9006
-  Door colour: Signal red, RAL 3020

Please specify required door colour when ordering.



With the optional perforated plate insert, an additional storage surface can be created.



Features	2 shelves, floor spill pallet	3 shelves, floor spill pallet
External dimensions W x D x H [mm]	1055 x 520 x 1105	1055 x 520 x 1950
Internal dimensions W x D x H [mm]	996 x 493 x 990	996 x 493 x 1835
Shelf load capacity [kg]	100	100
Auffangvolumen Bodenwanne [l]	33	33
Door hinge	both sides	both sides
Order number folding door	202-693-J1	202-701-J1
Accessories		
Order number Additional shelf	202-803-J1	202-803-J1
Order number Perforated metal insert for floor spill pallet	202-811-J1	202-811-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Chemicals cabinets Systema, with folding doors and slide-out shelves

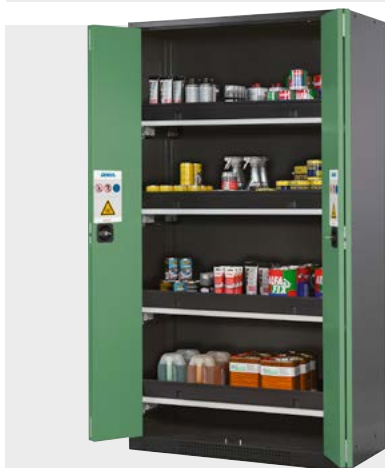
- The slide-out shelves offer a secure storage place for small containers and need only minimum force to pull them out
- For storage of small containers with a good overview
- Easy access for storage and removal of small containers



Slide-out shelves incl. DIBt approved plastic spill pallet



The slide-out shelves offer a secure storage place for small containers and need only minimum force to pull them out



Folding door cabinets need minimum space when the doors are open. The easy-to-open doors offer quick access to the entire cabinet contents

Features	2 pull-out shelves	3 pull-out shelves	4 pull-out shelves	5 pull-out shelves	6 pull-out shelves
External dimensions W x D x H [mm]	1055 x 520 x 1105	1055 x 520 x 1105	1055 x 520 x 1950	1055 x 520 x 1950	1055 x 520 x 1950
Internal dimensions W x D x H [mm]	996 x 493 x 990	996 x 493 x 990	996 x 493 x 1835	996 x 493 x 1835	996 x 493 x 1835
Door hinge	both sides	both sides	both sides	both sides	both sides
Slide-out spill pallet load capacity [kg]	30	30	30	30	30
Slide-out spill pallet capacity [l]	33	33	33	33	33
Order number folding door	208-661-J1	208-871-J1	202-709-J1	209-013-J1	209-100-J1
Accessories					
Order number Additional slide-out shelf	202-804-J1	202-804-J1	202-804-J1	202-804-J1	202-804-J1



Inox environmental cabinets, in stainless steel

Stainless steel products have many applications. From hazardous material storage to use in hygienic areas

- Easy to clean and hygienic
- Suitable for damp and wet rooms
- Long-term protection against corrosion
- Quality stainless steel product 1.4301
- Suitable for storing food
- Humidity-resistant
- Chemically resistant, anti-magnetic



Chemicals cabinets in stainless steel combine practicality and looks perfectly Stainless steel (14301 / V2a) offers safe protection for a large number of hazardous substances



The square openings in the wing doors ensure permanent ventilation and give the cabinet an attractive look



Perforated inserts are used in the spill pallets. These make it easier to load containers and prevent contamination of all containers on the spill pallet in the event of an incident

Model	W-104.4	W-104.5	W-104.6	W-103.4	W-103.5	W-103.6
Features	4 spill trays	4 spill trays	4 spill trays	3 shelves, 1 spill pallet	3 shelves, 1 spill pallet	3 shelves, 1 spill pallet
External dimensions W x D x H [mm]	1000 x 400 x 1950	1000 x 500 x 1950	1000 x 600 x 1950	1000 x 400 x 1950	1000 x 500 x 1950	1000 x 600 x 1950
Shelf load capacity [kg]	—	—	—	45	45	45
Spill pallet load capacity [kg]	45	45	45	—	—	—
Spill pallet capacity [l]	16	20	24	—	—	—
Spillage decking capacity [l]	—	—	—	32	40	48
Order number	202-130-J1	201-309-J1	202-131-J1	202-132-J1	201-312-J1	202-133-J1
Accessories						
Order number Perforated metal insert for spill pallets and floor spill pallets	201-315-J1	201-316-J1	202-393-J1	201-315-J1	201-316-J1	202-393-J1

Model	HSE-1 wall mounted cabinet	HSE-2 wall mounted cabinet
Features	1 shelf, 1 spill pallet	1 shelf, 1 spill pallet
External dimensions W x D x H [mm]	650 x 320 x 600	900 x 320 x 600
Door design	1-wing	2 wing doors
Shelf load capacity [kg]	25	25
Spillage decking capacity [l]	5	10
Order number	201-318-J1	201-317-J1
Accessories		
Order number Perforated metal insert for floor spill pallet	201-320-J1	201-319-J1



Quality product in stainless steel 1.4301

Environmental cabinets Cabinox

- High quality stainless steel (grade 1.4301) is used for the fabrication of the stainless steel cabinets. Duplo surface finish, one side polished and one side brushed
- Smooth surfaces are easy to clean, long lasting corrosion protection
- Can be used anywhere where special requirements are needed for resistance, cleanliness and hygiene, for example in laboratories and clean rooms or in a medical setting
- Shelves or spill trays are adjustable in steps of approx. 19 cm
- With adjusting screws for levelling

Viewing window in polycarbonate. Impact resistant, can be used in low or high ambient temperatures



Model	450-2	450-2	450-4	450-4	450-2	900-2	450-4	900-4
Features	2 inlay shelves	2 inlay shelves	4 inlay shelves	4 inlay shelves	2 inlay shelves	2 inlay shelves	4 inlay shelves	4 inlay shelves
External dimensions W x D x H [mm]	450 x 400 x 1000	900 x 400 x 1000	450 x 400 x 1900	900 x 400 x 1900	450 x 400 x 1000	900 x 400 x 1000	450 x 400 x 1900	900 x 400 x 1900
Internal dimensions W x D x H [mm]	448 x 399 x 898	898 x 399 x 898	448 x 399 x 1798	898 x 399 x 1798	448 x 399 x 898	898 x 399 x 898	448 x 399 x 1798	898 x 399 x 1798
Door version	hinged door	hinged door	hinged door	hinged door	hinged door with glass insert	hinged door with glass insert	hinged door with glass insert	hinged door with glass insert
Shelf load capacity [kg]	50	50	50	50	50	50	50	50
Weight [kg]	22	35	38	60	22	35	38	60
Order number	251-591-J1	251-592-J1	251-593-J1	251-594-J1	251-601-J1	251-602-J1	251-603-J1	251-604-J1
Accessories								
Order number Shelf for cabinet width 450 mm	251-615-J1	—	251-615-J1	—	251-615-J1	—	251-615-J1	—
Order number Shelf for cabinet width 900 mm	—	251-616-J1	—	251-616-J1	—	251-616-J1	—	251-616-J1



Small and practical

Model	450-2	900-2	450-4	900-4
Features	2 spill trays	2 spill trays	2 spill trays	4 spill trays
External dimensions W x D x H [mm]	450 x 400 x 1000	900 x 400 x 1000	450 x 400 x 1900	900 x 400 x 1900
Internal dimensions W x D x H [mm]	448 x 399 x 898	898 x 399 x 898	448 x 399 x 1798	898 x 399 x 1798
Door version	hinged door	hinged door	hinged door	hinged door
Shelf load capacity [kg]	50	50	50	50
Spill pallet capacity [l]	6	14	6	14
Weight [kg]	22	35	38	60
Order number	251-611-J1	251-612-J1	251-613-J1	251-614-J1
Accessories				
Order number Spill pallet for cabinet width 900 mm	—	251-618-J1	—	251-618-J1
Order number Spill pallet for cabinet width 450 mm	251-617-J1	—	251-617-J1	—



Acid and alkali cabinets PolyStore

For the safe storage of water-polluting and aggressive liquids



The transparent pocket in the door can be used for storing safety data sheets or protective gloves or glasses for example

Order at the same time

INNOVATION

**SpillGuard® hazardous
substance leak warning
system**



Order no. 271-433-J1

See page
420-421

Depending on the hazardous substances to be stored, the PolyStore environmental cabinet can be fitted with spill pallets or grids, either in stainless steel (1.4301) or galvanized steel. All cabinet types can be fitted with an optional fan.

Order at the same time

Grid, stainless steel W 120 cm, Order no. 246-239-J1

Slide-out spill pallet, stainless steel W 120 cm, Order no. 246-245-J1

Liquids according to the media list 40-1.1 from the DIBt with a reduction ratio $A2 \leq 1.1$ as well as liquids in the following substance groups may be stored:

- Aqueous solutions of organic acids up to 10%
- Mineral acids up to 20%
- Inorganic alkalis as well as alkali hydrolysing salts in aqueous solution ($\text{pH} > 8$), except for ammonia solutions and oxidising solutions of salts (e.g. hypochlorite)
- Solutions of inorganic non-oxidising salts with a pH value between 6 and 8

Model	PS 1220-4	PS 1220-3.1
Design	4 grids in stainless steel	3 slide-out spill pallets, 1 grid, stainless steel
External dimensions W x D x H [mm]	1225 x 640 x 1990	1225 x 640 x 1990
Internal dimensions W x D x H [mm]	1130 x 410 x 1750	1130 x 410 x 1750
Load capacity of shelf [kg]	50	50
Spillage decking capacity [l]	75	75
Weight [kg]	95	97
Order number	248-937-J1	248-938-J1

Order at the same time

fan for SL cabinet Polystore

- Safely extracts any gases or vapours from the inside of the cabinet

Order no. 212-190-J1





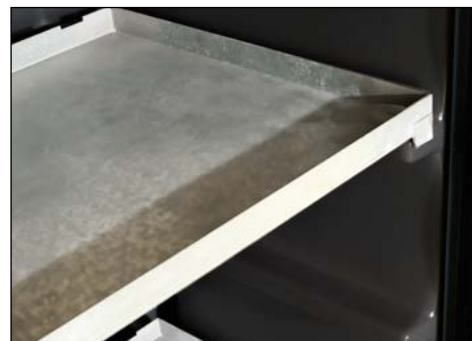
All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

- Made from highly resistant plastic (polyethylene)
- Ready for use - set up, store, done
- Company colours: grey body with signal yellow doors
- Connection point for extraction fan



Practical: the cabinet floor is also a water-tight spill pallet

The 610 mm wide cabinet requires little floor space. Optionally the cabinet can be equipped with a fan



Slide-out spill pallets with spill protection



Grids as an alternative to slide-in trays offer a better view of the stored goods

Model	PS 620-4	PS 620-3.1
Design	4 grids, stainless steel	3 slide-out spill pallets, 1 grid, stainless steel
External dimensions W x D x H [mm]	610 x 640 x 1990	610 x 640 x 1990
Internal dimensions W x D x H [mm]	520 x 410 x 1750	520 x 410 x 1750
Load capacity of shelf [kg]	50	50
Spillage decking capacity [l]	35	35
Weight [kg]	55	56
Order number	248-941-J1	248-942-J1

Order at the same time

Grid, stainless steel W 60 cm,
Order no. 246-240-J1

Slide-out spill pallet, stainless steel W 60 cm,
Order no. 246-243-J1



Sliding door cabinet PolyStore

PolyStore acid and alkali cabinets are suited to practical use in laboratories, workshops, production or maintenance.

Arrange your hazardous substances with a safe, clear overview and in a space-saving sliding door cabinet. The practical plastic spill trays prevent contamination of the whole cabinet in the event of a leak. The trays are easy to remove from the cabinet e.g. for cleaning.



NEW

Order no. 257-030-J1

- Lockable and space-saving - no bulky open doors
- Optimum access via large (lockable) doors to the stored contents
- Clear height:
Lower compartment: 390 mm
Both middle compartments: 316 mm
Upper compartment: 295 mm
Clear width: 699 to 666 mm
Clear depth: 373 mm
- Two separate cabinet sections
- With type approval for the spill pallets

Model	1820
Design	1 spill pallet, 3 spill trays per cabinet section
External dimensions W x D x H [mm]	1805 x 610 x 1990
Internal dimensions W x D x H [mm]	665 x 370 x 1320
Spill pallet load capacity [kg]	20
Spill pallet capacity [l]	6
Spillage decking capacity [l]	12
Weight [kg]	130
Order number	257-030-J1

Order at the same time

fan for SL cabinet Polystore

- Safely extracts any gases or vapours from the inside of the cabinet. Housing in acid and alkali-resistant plastic
- Protection type: CE II 3 G T4
- Flow rate 0-140 m³/h
- Total pressure 200-20 Pa
- Voltage 230 V
- Current draw 0.35A
- The mains supply must be fitted with a residual current protective device (RCD) in accordance with DIN VDE 0100 (Association of German Electricians).
- Noise level 35 dB (A), at 3 m distance from the ventilation unit connected to the intake and pressure side
- Model EP.VE.18610
- For connection to in-house air extraction, Ø 80 mm



Order no. 212-190-J1



Acid and alkali cabinets PolyStore

PolyStore acid and alkali cabinets are suited to practical use in laboratories, workshops, production or maintenance.

- For the safe storage of water-polluting and aggressive liquids
- Made from highly resistant plastic (polyethylene)



Even more great offers
in the shop!

➔ denios.shop/deals



Grids as the lowest storage level give a quick view into the spill pallet, for example for a visual inspection. Any leaks can therefore be easily recognised.

- 2 grids, stainless steel
- Can be stacked up to 3 high, incl. materials for wall mounting

All sumps are fully compliant
with HSE legislation and environmental
pollution prevention guidelines



Fitted with 2 grids

Model	PS 611-1.1 Mini	PS 611.2 Mini	PS 611-2	PS 611-1.1
Design	1 slide-out spill pallet, 1 grid, stainless steel	2 grids, stainless steel	2 grids, stainless steel	1 slide-out spill pallet, 1 grid, stainless steel
External dimensions W x D x H [mm]	610 x 640 x 600	610 x 640 x 600	610 x 640 x 1130	610 x 640 x 1130
Load capacity of shelf [kg]	50	50	50	50
Spillage decking capacity [l]	15	15	35	35
Weight [kg]	23	23	33	34
Order number	250-061-J1	250-060-J1	248-945-J1	248-946-J1



Model	PS 1211-2	PS 1211.1
Design	2 grids, stainless steel	1 slide-out spill pallet, 1 grid, stainless steel
External dimensions W x D x H [mm]	1225 x 640 x 1130	1225 x 640 x 1130
Load capacity of shelf [kg]	50	50
Spillage decking capacity [l]	75	75
Weight [kg]	53	54
Order number	248-949-J1	248-950-J1

Order at the same time

Grid, stainless steel W 60 cm,
Order no. 246-240-J1

Slide-out spill pallet, stainless steel W 60 cm,
Order no. 246-243-J1

Grid, stainless steel W 120 cm,
Order no. 246-239-J1

Slide-out spill pallet, stainless steel W 120 cm,
Order no. 246-245-J1



Type SL

Acids and alkali can be safely stored, separated from each other

- For the storage of aggressive, non-flammable hazardous substances in workrooms
- Removable plastic spill trays

Acid and alkalis cabinet Model SL, with 600 or 800 mm height

- Underbench cabinets made from highly resistant melamine-resin-coated special material plates
- Doors locked by cylinder lock, lock indicator (red/green)
- Space saving, secure
- Uniform ventilation of the chamber with air vent units (NW 50) on the cabinet rear wall

Height 600 mm



Acids and alkalis cabinet model SL 62 with
2 slide-out shelves (base frame optionally available),
Order no. 158-061-J1



Acids and alkalis cabinet model SL 112
with 1 slide-out shelf per chamber
(base frame optionally available),
Order no. 136-862-J1



Acids and alkalis cabinet model SL 114
with 2 slide-out shelves per chamber
(base frame optionally available),
Order no. 136-864-J1



4 slide-out trays, with additional square
compartment for material placement,
Model SL 1404

Height 800 mm

- For storing large containers (2.5 l)



NEW

The new height of 800 mm is really
practical, model SL 602



Compact dimensions - a height of 800 mm
gives better access to small containers,
model SL 1104

Model	SL 62	SL 602	SL 112	SL 114	SL 1404	SL 1104
Features	2 pull-out shelves	2 pull-out shelves	2 pull-out shelves	4 pull-out shelves	4 pull-out shelves	4 pull-out shelves
External dimensions W x D x H [mm]	590 x 570 x 600	590 x 570 x 800	1100 x 570 x 600	1100 x 570 x 600	1400 x 570 x 600	1100 x 570 x 800
Door design	1-wing	1-wing	2 wing doors	2 wing doors	2 wing doors	2 wing doors
Slide-out spill pallet capacity [l]	11	11	11	11	11	11
Slide-out spill pallet load capacity [kg]	25	25	25	25	25	25
Weight [kg]	60	73	88	98	112	108
Order number Door hinge: left	158-061-J1	—	—	—	—	—
Order number Door hinge: right	158-064-J1	235-880-J1	—	—	—	—
Order number Door hinge: both sides	—	—	136-862-J1	136-864-J1	235-878-J1	235-879-J1
Accessories						
Order number Base frame, height 30 mm	158-071-J1	158-071-J1	133-467-J1	133-467-J1	133-471-J1	133-467-J1



DENIOS
warranty

5
years

All sumps are fully compliant
with HSE legislation and environmental
pollution prevention guidelines

i Slide-out shelves including
spill trays

Acid and alkalis cabinet Model SL, with 1970 mm height

- Body in powder coated fine sheet steel, RAL 7035 (light grey)
- Complete closing mechanism is mounted outside the storage room
- Uniform ventilation of the chambers via an air vent unit (NW 75)
- Corrosion resistant metal-free ventilation ducts
- Lockable with profile cylinder lock (lock system compatible)
- Integral adjusting feet for adjustment for uneven floor surfaces



Acid and alkalis cabinet model SL 1208 / 1212,
either with 8 or 12 slide-out shelves



Acids and alkalis cabinet model SL 606 -
incl. 6 Slide-out shelves

Order no. 117-054-J1

Model	SL 604	SL 606	SL 1208	SL 1212
Features	4 pull-out shelves	6 pull-out shelves	8 pull-out shelves	12 pull-out shelves
Door design	1-wing	1-wing	2 wing doors	2 wing doors
External dimensions W x D x H [mm]	597 x 603 x 1965	597 x 603 x 1965	1197 x 603 x 1965	1197 x 603 x 1965
Slide-out spill pallet load capacity [kg]	25	25	25	25
Slide-out spill pallet capacity [l]	11	11	11	11
Weight [kg]	169	178	277	297
Order number Door hinge: left	117-052-J1	117-054-J1	—	—
Order number Door hinge: right	117-053-J1	117-055-J1	—	—
Order number Door hinge: both sides	—	—	158-058-J1	158-059-J1



- Acids and alkali can be safely stored, separated from each other
- For the storage of aggressive, non-flammable hazardous substances in workrooms
- Removable plastic spill trays

Acids and alkalis cabinets Model SL Plus, with compartment for hydrofluoric acid

Acids and alkalis cabinets for the storage of aggressive, non-flammable hazardous substances in workrooms. Includes separate compartment for hydrofluoric acid. Hydrofluoric acid must always be stored separately and under lock and key. The storage of acids and alkalis in workrooms must be in storage cabinets (e.g. acids and alkalis cabinets)



- Body in powder coated fine sheet steel, RAL 7035 (light grey)
- Complete closing mechanism is mounted outside the storage room
- Corrosion resistant metal-free ventilation ducts
- Lockable with profile cylinder lock (lock system compatible)

The hydrofluoric acid compartment is also marked with an acute toxicity pictogram



Features	3 slide-out shelves, 1 hydrofluoric acid compartment	4 slide-out shelves, 1 hydrofluoric acid compartment	5 slide-out shelves, 1 hydrofluoric acid compartment
External dimensions W x D x H [mm]	603 x 597 x 1965	603 x 597 x 1965	603 x 597 x 1965
Door design	1-wing	1-wing	1-wing
Slide-out spill pallet load capacity [kg]	25	25	25
Slide-out spill pallet capacity [l]	11	11	11
Weight [kg]	147	152	157
Order number Door hinge: left	266-878-J1	266-879-J1	266-880-J1
Order number Door hinge: right	266-881-J1	266-882-J1	266-883-J1



DENIOS
warranty

5
years

All sumps are fully compliant
with HSE legislation and environmental
pollution prevention guidelines

i Slide-out shelves
including spill trays

- Additional built-in compartment with integrated spill tray in polypropylene
- Safe storage of hydrofluoric acid, 1 litre containers can be removed upright from the compartment
- Built-in compartment can be locked separately, incl. locking indicator (red/green) and marking
- Ventilation from the built-in compartment via the extraction system present inside the cabinet

NEW

Order no. 266-885-J1



Clear, separated storage of
hazardous substances

Features	8 slide-out shelves, 1 hydrofluoric acid compartment	9 slide-out shelves, 1 hydrofluoric acid compartment	10 slide-out shelves, 1 hydrofluoric acid compartment
External dimensions W x D x H [mm]	603 x 1197 x 1965	603 x 1197 x 1965	603 x 1197 x 1965
Door design	2 wing doors	2 wing doors	2 wing doors
Slide-out spill pallet load capacity [kg]	25	25	25
Slide-out spill pallet capacity [l]	11	11	11
Weight [kg]	247	252	262
Order number Door hinge: both sides	266-884-J1	266-885-J1	266-886-J1



Quadro combi chemicals cabinet

- For the storage of toxic, non-flammable hazardous substances in workrooms in accordance with TRGS 510, German hazardous substances regulations
- Hazardous substance storage with easy overview
- Double walled door construction
- Incl. easy marking system
- Sturdy, high quality cabinet in sheet steel, powder coated body, anthracite grey, RAL 7016, doors in pure white, RAL 9010
- Natural ventilation via ventilation openings at the bottom
- Ready for connection to technical ventilation on the cabinet roof (NW 75)
- Integral adjustable feet - cabinet is easy to set up on uneven floors
- Wing doors with an integral cylinder lock in the handle
- Separate cabinet sections, each internal section W x D x H (mm): approx. 486 x 493 x 593



The alternative to slide-out shelves. Fitted with a floor spill pallet and shelves, combi cabinet model 124-4 also has room for larger containers



Simple, easy marking of the storage area with the supplied marking system

Model	63-3	63-6	124-4	124-2	124-8
Features	3 cabinet sections, each with 1 x shelf, 1 x spill pallet	3 cabinet sections each with 2 slide-out shelves	4 cabinet sections, each with 1 x shelf, 1 x spill pallet	4 cabinet sections, each with 2 x slide-out shelves (left) and 2 x shelves with spill pallets (right)	4 cabinet sections each with 2 slide-out shelves
External dimensions W x D x H [mm]	545 x 520 x 1950	545 x 520 x 1950	1055 x 520 x 1950	1055 x 520 x 1950	1055 x 520 x 1950
Door design	1-wing	1-wing	2 wing doors	2 wing doors	2 wing doors
Door hinge	right	right	both sides	both sides	both sides
Order number	219-799-J1	219-798-J1	219-801-J1	219-802-J1	219-800-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Chemicals cabinet with Type 30 safety box

- Complete with a type 30 safety box for the safe storage of flammable liquids inside single wall sheet steel cabinets, in accordance with EN 14470/part 1
- No separate cabinet required for storing flammable liquids
- Safety box with spill pallet (5 litre), self-closing doors and extractor connection (NW 75)
- Small volumes of flammable liquids (paint cans, touch-up pencils, spray cans, etc) Are stored in the type 30 safety box safely and in compliance with regulations
- Sturdy, powder coated sheet steel construction

Colours:

body and doors in turquoise green (RAL 6016) or body in gentian blue (RAL 5010), doors in crimson (RAL 3004)

Order no. 165-279-J1

Detailed section: ventilation slits in the cabinet front



Model	UWS 19 P	PSM 19 P
Features	2 spill trays, 1 floor spill pallet	2 spill trays, 1 floor spill pallet
Design	doors without ventilation slits	doors with ventilation slits
External dimensions W x D x H [mm]	950 x 500 x 1950	950 x 500 x 1950
Spill pallet load capacity [kg]	50	50
Body colour	Blue	Green
Door colour	Red	Green
Order number	165-277-J1	165-279-J1

STORAGE IN HAZARDOUS MATERIALS CABINETS DIN EN 14470-1

Technical ventilation

General

With TRGS 510 (Appendix 3, 2.2) legislators have permitted the operation of hazardous materials cabinets without technical ventilation for combustible liquids. If there is no permanent technical ventilation, other measures must be taken to guarantee comparable explosion protection. Please remember that other regulations in addition to TRGS 510 (Appendix 3) may necessitate technical ventilation however. If corrosive or toxic substances are stored for example or if workers are affected by strong odours from the stored materials, technical ventilation of the hazardous materials cabinet should generally be provided; refer to the hazardous materials and work safety regulations.

**Hazardous materials cabinets should be fitted with technical ventilation.
In these cases, Ex zones in and around the cabinet are generally not needed.**

Technical ventilation vs. natural ventilation

Technical ventilation with air extraction outdoors

- + No danger to workers' health
- + All hazardous substances (including acid or alkali vapours) are eliminated
- Expensive air extraction ducting with possible need to break through walls/ceilings
- Installation of the hazardous materials cabinet is no longer flexible
- Energy requirements due to heat lost in extracted air

Technical ventilation with recirculating air filter system

- + No danger to worker/employee health
- + No expensive air extraction ducting needed
- + Hazmat cabinet can be flexibly installed
- + No energy lost through extraction to the outside
- + Permanent electronic monitoring of extraction levels
- + Tested and certified system
- Only solvent vapours (hydrocarbons) can be filtered

Natural ventilation

- + No expensive air extraction ducting needed
- Ex zones in or in and around the cabinet must be permanently maintained/guaranteed
- Possible harm to worker health from vapours
- There must be no sources of ignition inside the hazardous materials cabinet

DENIOS
onlineshop



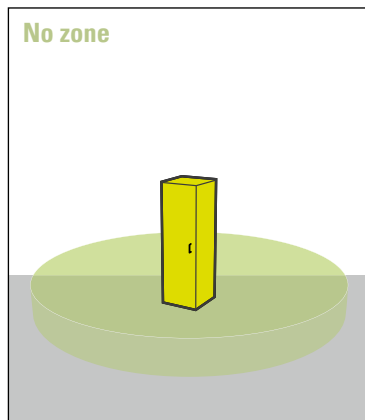
Advice, practical knowledge, legal regulations and much more – discover it online now!

www.denios.co.uk/expertise



Definition of zones

The definition of zones in and around hazardous materials cabinets depends on various factors.
The framework conditions are explained in detail in DGV regulation 113-001 EX-RL examples 2.2.8.



Definition of zones for avoidance of sources of ignition in accordance with TRGS 720 ff. Part 3

Definition of zones for hazardous materials cabinets (DGV regulation 113-00)

- A) The LEL (lower explosion limit) is safely undercut, as the flashpoint for the combustible liquid is sufficiently higher than the storage temperature (see TRGS 720 ff. Part 1 Point 3.2 (3)) or
- B) The flashpoint is not sufficiently above the storage temperature (See TRGS 720 ff. Part 1, Point 3.2 (3))

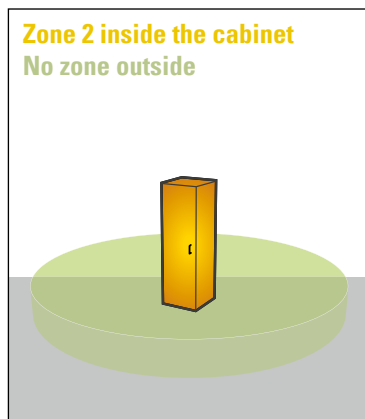
Hazardous materials cabinet with technical ventilation

is present and the following conditions are met:

- Containers are tightly closed and regularly checked to ensure sealing
- The containers are not opened (no dispensing or filling, no sampling)
- Containers are set down without external wetting with combustible liquids

Protective measures to:

- TRGS 720 ff. Part 2, Point 2.3.2 (for A)
TRGS 720 ff. Part 2, Point 2.4.4.3 (for B)
TRGS 720 ff. Part 4, none (for A and B)



Definition of zones for avoidance of sources of ignition in accordance with TRGS 720 ff. Part 3

The flashpoint is not sufficiently above the storage temperature (See TRGS 720 ff. Part 1, Point 3.2 (3))

C) Hazardous materials cabinet with technical ventilation

is present, the conditions for defining zone 1 (B) are not met for all points, containers are however tightly closed or

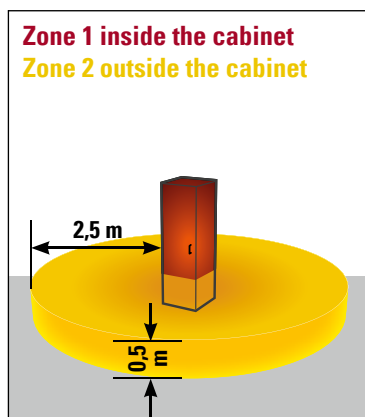
D) Hazardous materials cabinet with natural ventilation

is present and the following conditions are met:

- Containers are tightly closed and regularly checked to ensure sealing
- The containers are not opened (no dispensing or filling, no sampling)
- Containers are set down without external wetting with combustible liquids

Protective measures to:

- TRGS 720 ff. Part 2, Point 2.4.4.3 (for C)
TRGS 720 ff. Part 2, Point 2.4.4.2 (for D)
TRGS 720 ff. Part 4, none (for C and D)



The flashpoint is not sufficiently above the storage temperature (See TRGS 720 ff. Part 1, Point 3.2 (3))

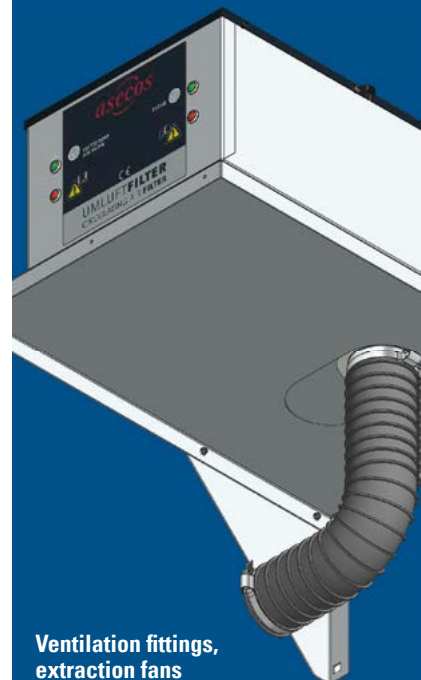
E) Hazardous materials cabinet with natural ventilation present

the conditions for defining zone 2 (D) are not met for all points, containers are however tightly closed

Protective measures to:

- TRGS 720 ff. Part 2, Point 2.4.4.2 (for E)
TRGS 720 ff. Part 4, none (for E)

Definition of zones for avoidance of sources of ignition in accordance with TRGS 720 ff. Part 3



Ventilation fittings, extraction fans and additional accessories can be found

From page
164



System-plus chemical cabinet





Incl. safety box type 30 in accordance with EN 14470-1 and TRGS 510 (Appendix 3) for the legally compliant storage of flammable liquids inside single wall sheet steel cabinets

- No separate cabinet required for storing flammable liquids
- Safety box with spill pallet, self-closing doors and extractor connection (NW 75)
- Body in fine sheet steel with sturdy, high quality painted finish
- Integral adjustable feet - easy cabinet set up on uneven floors
- Natural ventilation via ventilation opening at the bottom
- Small volumes of flammable liquids (paint cans, touch-up pencils, spray cans, etc) Are stored in the type 30 safety box safely and in compliance with regulations
- Wing doors with cylinder lock

The 2-colour concept

The new look (body in anthracite grey and doors available in 7 different colours) offers maximum individuality and a modern appearance. The textured surface finish is scratch resistant and suitable for a tough environment.

Body colour: anthracite grey, RAL 7016

-  Door colour: gentian blue, RAL 5010
-  Door colour: signal yellow, RAL 1004
-  Door colour: light grey, RAL 7035
-  Door colour: Pure white, RAL 9010
-  Door colour: Reseda green, RAL 6011
-  Door colour: Silver, similar to RAL 9006
-  Door colour: Signal red, RAL 3020

Please specify required door colour when ordering.

Order no. 219-293-J1



Small quantities of flammable liquids can be safely stored in the type 30 safety box So the systema-plus type CS-30 chemicals cabinet affords protection for flammable and water-polluting fluids



Chemicals cabinet systema-plus CS-30-T is user friendly with pull-out shelves

Model	Cs-30	Cs-30-t
Features	2 shelves, 1 spill pallet	3 pull-out shelves
External dimensions W x D x H (mm)	1055 x 520 x 1950	1055 x 520 x 1950
Shelf load capacity [kg]	100	—
Slide-out spill pallet load capacity [kg]	—	30
Slide-out spill pallet capacity [l]	—	34
Spillage decking capacity [l]	33	—
Order number	219-293-J1	219-292-J1
Accessories		
Order number Additional shelf	202-803-J1	—
Order number Perforated metal insert for floor spill pallet	202-811-J1	—
Order number Additional slide-out shelf	—	202-804-J1

**Model 30****30 minute fire protection****Tested in accordance with EN 14470-1****All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines****DENIOS warranty****5 years****Fire-rated hazardous material cabinets****1**

Hazardous substances box Basis-Line, with 30 minute fire protection

- Ideal for use in workshops or industrial areas, for example above a workbench
- Two self-closing wing doors
- Integrated ventilation and extraction system for connection (NW 75) to technical ventilation system
- Incl. 5 litre spill pallet and mounting materials
- Sturdy, powder coated sheet steel construction (anthracite grey, RAL 7016)

**For optimum safety - profile cylinder lock**

Space saving storage of hazardous substances near work rooms

Safety-tested**BS EN CE**

Model	Box 30	Box 30-V
Features	Spill pallet, wall console and mounting kit	Spill pallet, wall console, mounting kit and profile cylinder lock
External dimensions W x D x H [mm]	995 x 470 x 482	995 x 470 x 482
Internal dimensions W x D x H [mm]	942 x 419 x 414	942 x 419 x 414
Order number	235-884-J1	235-885-J1

**NEW****Order no. 235-884-J1**

Basis-Line hazardous materials cabinet, with viewing window, 30 minute fire protection

- For the safe and legally compliant storage of flammable liquids with 30 minute fire protection
- Integral base, accessible underneath, making it easy to change location (base can be closed off by optional panel)
- Air extraction connection (NW 75) fitted in the roof of the cabinet

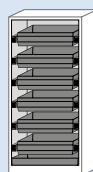
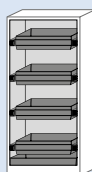
**The cabinets are available with either shelves or slide-out spill trays**

Image shows cabinet with optional base panel

Model	30-93	30-94	30-96
Features	3 inlay shelves, sump and grid cover	4 slide-out spill trays	6 slide-out spill trays
External dimensions W x D x H [mm]	864 x 620 x 1947	864 x 620 x 1947	864 x 620 x 1947
Internal dimensions W x D x H [mm]	750 x 519 x 1626	750 x 519 x 1626	750 x 519 x 1626
Shelf load capacity [kg]	75	—	—
Slide-out spill pallet load capacity [kg]	—	60	60
Spillage decking capacity [l]	22	22	22
Slide-out spill pallet capacity [l]	—	19	19
Weight [kg]	245	274	301
Order number (hinged door, Grey, 7035 RAL)	235-886-J1	235-888-J1	235-890-J1
Order number (hinged door, yellow, 1004 RAL)	235-887-J1	235-889-J1	235-893-J1

Accessories

Order number Additional shelf	133-979-J1	—	—
Order number Plastic inlay spill pallets	133-978-J1	—	—
Order number Plinth panel	219-572-J1	219-572-J1	219-572-J1

Order no. 235-886-J1



Basis-Line fire-rated hazardous materials cabinets with 30 minutes fire protection, shelf and base spill pallet

For the safe and legally compliant storage of flammable liquids with 30 minute fire protection

- Easy-open doors remain open at any angle, automatic closure in the event of a fire. Integral base, accessible underneath, making it easy to change location (base can be closed off by optional panel)
- Air extraction connection (NW 75) fitted in the roof of the cabinet










Info on type 30 cabinets: type 30 fire resistance is authorised provided only 1 cabinet is placed in each unit/fire compartment. If this fire compartment is larger than 100 m², one cabinet is permitted per 100 m².

Order at the same time

The new look (body in anthracite grey and doors available in 7 different colours) offers maximum individuality and a modern appearance. The textured surface finish is scratch resistant and suitable for a tough environment.

Body colour: anthracite grey, RAL 7016

-  Door colour: gentian blue, RAL 5010
-  Door colour: signal yellow, RAL 1004
-  Door colour: light grey, RAL 7035
-  Door colour: Pure white, RAL 9010
-  Door colour: Reseda green, RAL 6011
-  Door colour: Silver, similar to RAL 9006
-  Door colour: Signal red, RAL 3020

Please specify required door colour when ordering.

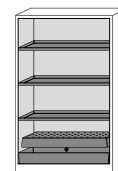
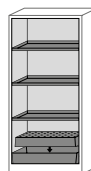
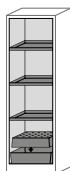


Accessible base for secure transport



Basic-line hazardous materials storage cabinet, model 30-123, body anthracite grey (RAL 7016), doors in light grey (RAL 7035), optional ventilation kit

Image shows cabinet with optional base panel



Model	30-63	30-93	30-123
Features	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover
External dimensions W x D x H [mm]	564 x 620 x 1947	864 x 620 x 1947	1164 x 620 x 1947
Internal dimensions W x D x H [mm]	450 x 519 x 1626	750 x 519 x 1626	1050 x 519 x 1626
Shelf load capacity [kg]	75	75	75
Spillage decking capacity [l]	22	23	33
Weight [kg]	180	235	280
Order number Door hinge: left	218-311-J1	218-327-J1	—
Order number Door hinge: right	218-319-J1	218-335-J1	—
Order number Door hinge: both sides	—	—	218-343-J1
Accessories			
Order number Additional shelf	116-987-J1	133-979-J1	116-975-J1
Order number Plastic inlay spill pallets	133-976-J1	133-978-J1	116-939-J1
Order number Plinth panel	219-570-J1	219-572-J1	219-573-J1



Model 30 30 minute fire protection
Tested in accordance with EN 14470-1

All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS warranty 5 years

Fire-rated hazardous material cabinets

1

Basis-Line fire rated hazardous materials cabinets with 30 minutes fire protection, slide-out spill trays and floor spill pallet

For the safe and legally compliant storage of flammable liquids with 30 minute fire protection

Safety-tested

BS EN CE



Tested spill pallet (in accordance with Stawa-R)

The hazardous materials cabinet is supplied complete with accessible base. This can be covered with the optionally available base panel.



Ventilation fittings, extraction fans and additional accessories can be found

From page
164



Slide-out spill trays guarantee easy, visible storage. The floor spill pallet safely contains any leaked fluids

Image shows cabinet with optional base panel

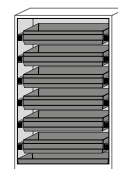
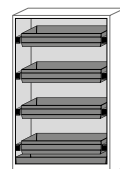
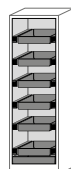
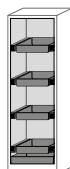


Hazardous materials storage cabinet Basis-Line Model 30-66, with 6 slide-out spill trays and one floor spill pallet



There's even more choice in the shop!

www.denios.co.uk



Model	30-64	30-66	30-124	30-126
Features	4 slide-out spill trays	6 slide-out spill trays	4 slide-out spill trays	6 slide-out spill trays
External dimensions W x D x H [mm]	564 x 620 x 1947	564 x 620 x 1947	1164 x 620 x 1947	1164 x 620 x 1947
Internal dimensions W x D x H [mm]	450 x 519 x 1626	450 x 519 x 1626	1050 x 519 x 1626	1050 x 519 x 1626
Slide-out spill pallet load capacity [kg]	25	25	60	60
Slide-out spill pallet capacity [l]	4	4	30	30
Spillage decking capacity [l]	11	11	33	33
Weight [kg]	190	204	311	343
Order number Door hinge: left	218-351-J1	218-391-J1	—	—
Order number Door hinge: right	218-359-J1	218-399-J1	—	—
Order number Door hinge: both sides	—	—	218-383-J1	218-423-J1
Accessories				
Order number Plastic inlay spill pallets	148-590-J1	148-590-J1	148-583-J1	148-583-J1
Order number Plinth panel	219-570-J1	219-570-J1	219-573-J1	219-573-J1



Edition G fire-rated hazardous materials cabinets with slide out spill trays

- For the safe and legally compliant storage of flammable liquids with 90 minute fire protection in accordance with TRGS 510 (Appendix 3) and EN 14470-1

- Inner surfaces have a highly chemical-resistant, impact and scratch-proof plastic coating, easy to clean
- Earthing connection point on the cabinet roof
- Floor spill pallet. Cabinets with slide-out spill trays are supplied with an additional floor spill pallet

i Tested spill pallet (in accordance with Stawa-R)



Ventilation fittings, extraction fans and additional accessories can be found

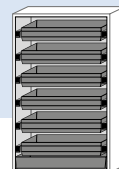
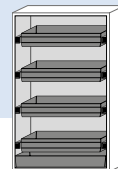
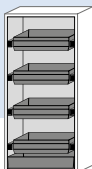
From page
164



while 6 slide-out spill trays are ideally suited to small containers

The number and size of the containers to be stored is important to know for hazardous materials storage. With 4 slide-out sumps you'll have more choice of small container sizes.

Order no. 218-431-J1



Model	Ga-900-4	Ga-900-6	Ga-1200-4	Ga-1200-6
Features	4 slide-out spill trays	6 slide-out spill trays	4 slide-out spill trays	6 slide-out spill trays
External dimensions W x D x H [mm]	896 x 616 x 1968	896 x 616 x 1968	1196 x 616 x 1968	1196 x 616 x 1968
Internal dimensions W x D x H [mm]	750 x 524 x 1742	750 x 524 x 1742	1050 x 524 x 1742	1050 x 524 x 1742
Slide-out spill pallet load capacity [kg]	60	60	60	60
Slide-out spill pallet capacity [l]	19	19	30	30
Spillage decking capacity [l]	22	22	33	33
Weight [kg]	414	441	484	516
Order number safety yellow (RAL 1004)	218-431-J1	218-433-J1	218-435-J1	218-437-J1
Order number Light grey (RAL 7035)	218-432-J1	218-434-J1	218-436-J1	218-438-J1
Accessories				
Order number Plastic inlay spill pallets	—	—	148-583-J1	148-583-J1
Order number Transport base for hazardous materials cabinet W 1200 mm	—	—	165-319-J1	165-319-J1
Order number Transport base for hazardous materials cabinet W 900 mm	195-611-J1	195-611-J1	—	—



Model 90 90 minute fire protection
Tested in accordance with EN 14470-1

DENIOS
warranty **5**
years

Safety-tested

BS EN CE

**Fire-rated hazardous
material cabinets**

1

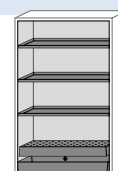
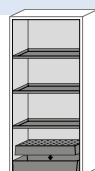
Fire-rated hazardous materials cabinets Edition G, with shelves

- Doors close automatically in the event of a fire
- Air extraction connection (NW 75) fitted in the roof of the cabinet
- Protection from unauthorised access

**All sumps are fully compliant
with HSE legislation and environmental
pollution prevention guidelines**



i Tested spill pallet (in
accordance with Stawa-R)



Model	G-901	G-1201
Features	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover
External dimensions W x D x H [mm]	896 x 616 x 1968	1196 x 616 x 1968
Internal dimensions W x D x H [mm]	750 x 524 x 1742	1050 x 524 x 1742
Shelf load capacity [kg]	75	75
Spillage decking capacity [l]	23	33
Weight [kg]	385	453
Order number safety yellow (RAL 1004)	148-564-J1	116-979-J1
Order number Light grey (RAL 7035)	133-980-J1	116-981-J1
Accessories		
Order number Additional shelf	133-979-J1	116-975-J1
Order number Plastic inlay spill pallets	133-978-J1	116-939-J1
Order number Door hold-open device	116-977-J1	116-977-J1
Order number Transport base for hazardous materials cabinet W 1200 mm	—	165-319-J1
Order number Transport base for hazardous materials cabinet W 900 mm	195-611-J1	—



Hazardous material cabinets Kombi, edition-g, multi-talented, safe hazardous material storage

Based on the proven hazardous materials cabinets from the denios range, this practical variant offers the possibility of storing various classes of hazardous substances (LGK) in one cabinet.



Combi hazardous materials cabinet edition-g, model 1200-33.

Order no. 224-696-J1

- Air extraction connection (NW 75) fitted in the roof of the cabinet
- Fire resistance class 90 minutes (Type 90 in accordance with EN 14470-1)
- Highly flexible internal equipment, shelves (height adjustable) slide-out spill trays or metal-free spill trays
- Sturdy and long-lasting: safety components are corrosion protected and fitted outside the storage area
- Metal-free spill tray (for storage of small quantities of flammable, slightly aggressive hazardous substances)
- Integral adjusting feet for adjustment for uneven floor surfaces
- Incl. door hold-open system, doors can be locked with profile cylinder (lock system compatible)

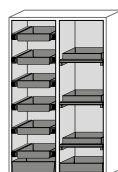
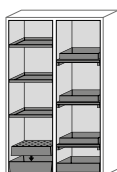
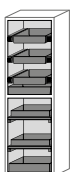
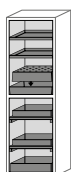
Separated storage =
secured by solid partitions

Left cabinet section with 3 shelves, 1 base spill pallet with perforated plate insert, right cabinet section with 3 metal-free spill trays and a metal-free base spill pallet



Combi hazardous materials cabinet edition-g, model 1200-63A, Order no. 224-699-J1

Left cabinet section with slide-out spill trays, right cabinet section with 3 metal-free spill trays and a metal-free base spill pallet



Model	600-22	600-32A	1200-33	1200-63A
Cabinet partition	Above/below	Above/below	Left/right	Left/right
Features	2 shelves / 2 spill trays, 1 floor spill pallet each	3 slide-out spill trays / 2 spill trays, 1 floor spill pallet	3 shelves / 3 spill trays, 1 floor spill pallet each	6 slide-out spill trays / 3 spill trays, 1 floor spill pallet right
External dimensions W x D x H [mm]	596 x 616 x 1968	596 x 616 x 1968	1196 x 616 x 1968	1196 x 616 x 1968
Internal dimensions W x D x H [mm]	450 x 524 x 1742	450 x 524 x 1742	1050 x 524 x 1742	1050 x 524 x 1742
Shelf load capacity [kg]	75	75	75	75
Slide-out spill pallet load capacity [kg]	—	25	—	25
Slide-out spill pallet capacity [l]	—	5	—	5
Spillage decking capacity [l]	22	11	22	11
Weight [kg]	260	260	515	515
Order number safety yellow (RAL 1004)	224-700-J1	224-702-J1	224-696-J1	224-698-J1
Order number Light grey (RAL 7035)	224-701-J1	224-703-J1	224-697-J1	224-699-J1
Accessories				
Order number Transport base for hazardous materials cabinet W 1200 mm	—	—	165-319-J1	165-319-J1

Combined storage of hazardous substances:
combined storage prohibition comes into force from a certain quantity, which in general is not reached for hazardous materials cabinets. Further details can be found in the TRGS 510 regulations.

Left section



Right section



The hazmat symbols show which liquids may be stored in which cabinet section



Model 90 90 minute fire protection
Tested in accordance with EN 14470-1

DENIOS warranty 5 years

Fire-rated hazardous material cabinets

1

Fire-rated hazardous material cabinets edition-g, one-touch, with folding doors

For the safe and legally compliant storage of flammable liquids with 90 minute fire protection in accordance with TRGS 510 (Appendix 3) and EN 14470-1



- Incl. One-touch feature - comfortable, easy opening of the cabinet with minimal effort
- Doors close automatically in the event of a fire
- The doors close automatically after 60 seconds
- Open two doors at the same time with one hand, doors are held by the standard door hold-open system
- Air extraction connection (NW 75) fitted in the roof of the cabinet
- Slide-out spill trays are easy to use and can be stopped in any position



Order at the same time



- Lockable storage box for hazardous materials cabinet

Order no. 116-982-J1

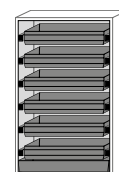
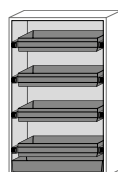
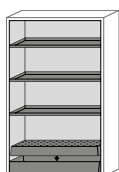


Hazardous material cabinet edition-g model GF-1201, safety yellow, with folding doors, 3 shelves, base spill pallet and perforated plate cover, door hold-open device, Order no. 119-283-J1 (extraction units available as accessories)

The additional floor spill pallet safely contains leaked fluids



Tested spill pallet (in accordance with Stawa-R)



Model	GF-1201	GF-1201-4	GF-1201-6
Features	3 inlay shelves, sump and grid cover	4 slide-out spill trays	6 slide-out spill trays
External dimensions W x D x H [mm]	1196 x 616 x 1968	1196 x 616 x 1968	1196 x 616 x 1968
Internal dimensions W x D x H [mm]	1050 x 524 x 1742	1050 x 524 x 1742	1050 x 524 x 1742
Shelf load capacity [kg]	75	—	—
Slide-out spill pallet load capacity [kg]	—	60	60
Spillage decking capacity [l]	33	33	33
Slide-out spill pallet capacity [l]	—	30	30
Weight [kg]	458	488	520
Order number safety yellow (RAL 1004)	119-283-J1	119-279-J1	119-282-J1
Order number Light grey (RAL 7035)	119-284-J1	119-278-J1	119-289-J1
Accessories			
Order number Additional shelf	116-975-J1	—	—
Order number Plastic inlay spill pallets	116-939-J1	148-583-J1	148-583-J1
Order number Transport base for hazardous materials cabinet W 1200 mm	165-319-J1	165-319-J1	165-319-J1



Edition G fire-rated hazardous materials cabinets

Safety-tested
BS EN CE

- For the safe and legally compliant storage of flammable liquids with 90 minute fire protection in accordance with TRGS 510 (Appendix 3) and EN 14470-1

Ventilation fittings, extraction fans and additional accessories can be found

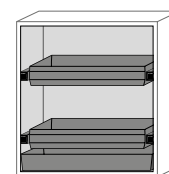
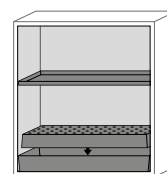
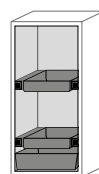
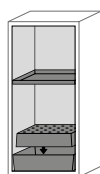
From page
164


Hazardous materials cabinet edition-g type
G-1200-F with shelves, base sump and grid
A second shelf is optional

Order no. 117-033-J1

- Air extraction connection (NW 75) fitted in the roof of the cabinet
- Integrated adjustment aids to easily level out the cabinets on uneven floors
- Easy to use slide-out spill trays close automatically in the event of a fire (cabinet width 600 mm with permanent auto close)
- Protection from unauthorised access
- Ideal for the storage of small containers

Compact and space saving hazardous materials cabinets such as this model G-600-2-F, with two slide out spill trays

Order no. 218-459-J1
Tested spill pallet (in accordance with Stawa-R)


Model	G-600-f	G-600-2-f	G-1200-f	G-1200-2-f
Features	1 inlay shelf, sump and grid cover	2 slide-out spill pallets	1 inlay shelf, sump and grid cover	2 slide-out spill pallets
External dimensions W x D x H [mm]	596 x 616 x 1298	596 x 616 x 1298	1196 x 616 x 1298	1196 x 616 x 1298
Internal dimensions W x D x H [mm]	450 x 524 x 1072	450 x 524 x 1072	1050 x 524 x 1072	1050 x 524 x 1072
Shelf load capacity [kg]	75	—	75	—
Slide-out spill pallet load capacity [kg]	—	25	—	60
Spillage decking capacity [l]	22	11	33	33
Weight [kg]	203	217	320	352
Order number safety yellow (RAL 1004), door opens left	122-884-J1	218-455-J1	—	—
Order number safety yellow (RAL 1004), door opens right	208-518-J1	218-457-J1	—	—
Order number light grey (RAL 7035), door opens left	208-515-J1	218-459-J1	—	—
Order number light grey (RAL 7035), door opens right	208-519-J1	218-461-J1	—	—
Order number safety yellow (RAL 1004)	—	—	117-033-J1	218-467-J1
Order number Light grey (RAL 7035)	—	—	208-513-J1	218-469-J1
Accessories				
Order number Additional shelf	—	—	—	—
Order number Plastic inlay spill pallets	—	148-590-J1	116-939-J1	148-583-J1
Order number Door hold-open device	—	—	—	—
Order number Transport base for hazardous materials cabinet W 1200 mm	—	—	—	165-319-J1



Model 90

90 minute fire protection

Tested in accordance with EN 14470-1

All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty5
yearsFire-rated hazardous
material cabinets

1

Edition G one touch fire rated hazardous material cabinet with wing doors



- For the safe and legally compliant storage of flammable liquids with 90 minute fire protection in accordance with TRGS 510 (Appendix 3) and EN 14470-1
- 90 minute fire resistance according to DIN EN 14470-1

Safety-tested

BS EN CE

Hazardous material
cabinet type
G-600-FP with one
touch

Chemical box for separate storage of acids and alkali



- The box has a lid with a flap and handles on the side
- Suitable for all hazardous materials cabinets with shelves
- Dimensions W x D x H (mm): 210 x 210 x 260

Order no. 117-020-J1



Slide-out sumps are recommended especially for the storage of large numbers of small containers, as here with the type G-1200-2-FP.

Order no. 218-463-J1



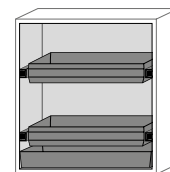
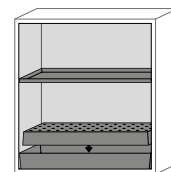
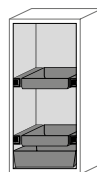
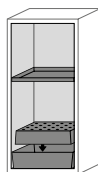
Hazardous material cabinet type G-1200-FP with one touch

Order no. 158-501-J1



One touch models offer:

- door hold-open device
- automatic door closer
- optical and audible warning signal for automatic door closing



Model	G-600-fp	G-600-2-fp	G-1200-fp	G-1200-2-fp
Features	1 inlay shelf, sump and grid cover	2 slide-out spill pallets	1 inlay shelf, sump and grid cover	2 slide-out spill pallets
External dimensions W x D x H [mm]	596 x 616 x 1298	596 x 616 x 1298	1196 x 616 x 1298	1196 x 616 x 1298
Internal dimensions W x D x H [mm]	450 x 524 x 1072	450 x 524 x 1072	1050 x 524 x 1072	1050 x 524 x 1072
Shelf load capacity [kg]	75	—	75	—
Slide-out spill pallet load capacity [kg]	—	25	—	60
Spillage decking capacity [l]	22	11	33	33
Weight [kg]	203	217	324	356
Order number safety yellow (RAL 1004), door opens left	158-139-J1	218-447-J1	—	—
Order number safety yellow (RAL 1004), door opens right	208-520-J1	218-449-J1	—	—
Order number light grey (RAL 7035), door opens left	208-516-J1	218-451-J1	—	—
Order number light grey (RAL 7035), door opens right	208-522-J1	218-453-J1	—	—
Order number safety yellow (RAL 1004)	—	—	158-501-J1	218-463-J1
Order number Light grey (RAL 7035)	—	—	208-514-J1	218-465-J1
Accessories				
Order number Additional shelf	—	—	—	—
Order number Plastic inlay spill pallets	—	148-590-J1	—	148-583-J1
Order number Transport base for hazardous materials cabinet W 1200 mm	—	—	—	165-319-J1



Edition G fire-rated hazardous materials cabinets

- For the safe and legally compliant storage of flammable liquids with 90 minute fire protection in accordance with TRGS 510 (Appendix 3) and EN 14470-1
- Air extraction connection (NW 75) fitted in the roof of the cabinet
- Integrated adjustment aids to easily level out the cabinets on uneven floors
- Protection from unauthorised access
- Doors close automatically in the event of a fire
- Water-tight, tested spill pallet, powder coated sheet steel, incl perforated grid cover as additional storage level



Hazardous material cabinets edition-g with slide out spill trays and folding doors are supplied with a door hold-open device

Safety-tested

BS EN CE

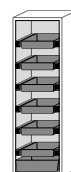
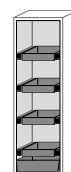
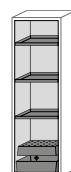
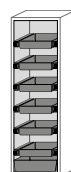
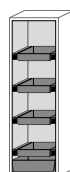
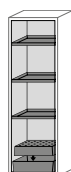
Hazardous material cabinet edition-g type G 601, with shelves, sump and grid (door latch system optional).



6 slide-out sumps give sufficient storage space for a wide range of flammable hazardous substances - organisation even in the smallest space.,
Order no. 218-443-J1



Cabinet with folding doors edition-g type GF-601, with 3 shelves and base sump with grid cover.,
Order no. 218-456-J1



Model	G-601	Ga-600-4	Ga-600-6	GF-601	GF-601.4	GF-601.6
Features	3 inlay shelves, sump and grid cover	4 slide-out spill trays	6 slide-out spill trays	3 inlay shelves, sump and grid cover	4 slide-out spill trays	6 slide-out spill trays
Door version	hinged door	hinged door	hinged door	folding door	folding door	folding door
External dimensions W x D x H [mm]	596 x 616 x 1968	596 x 616 x 1968	596 x 616 x 1968	596 x 616 x 1968	596 x 616 x 1968	596 x 616 x 1968
Internal dimensions W x D x H [mm]	450 x 524 x 1742	450 x 524 x 1742	450 x 524 x 1742	450 x 524 x 1742	450 x 524 x 1742	450 x 524 x 1742
Shelf load capacity [kg]	75	—	—	75	—	—
Slide-out spill pallet load capacity [kg]	—	25	25	—	25	25
Spillage decking capacity [l]	22	11	11	22	11	11
Weight [kg]	300	310	324	300	310	324
Order number Safety yellow (RAL 1004), door opens left	158-084-J1	218-439-J1	218-443-J1	218-456-J1	218-485-J1	218-489-J1
Order number Safety yellow (RAL 1004), door opens right	158-088-J1	218-441-J1	218-445-J1	218-495-J1	218-487-J1	218-491-J1
Order number Light grey (RAL 7035), door opens left	158-083-J1	218-440-J1	218-444-J1	218-460-J1	218-486-J1	218-490-J1
Order number Light grey (RAL 7035), door opens right	158-086-J1	218-442-J1	218-446-J1	218-496-J1	218-488-J1	218-492-J1
Accessories						
Order number Additional shelf	116-987-J1	—	—	116-987-J1	—	—
Order number Plastic inlay spill pallets	133-976-J1	148-590-J1	148-590-J1	133-976-J1	148-590-J1	148-590-J1
Order number Door hold-open device	116-988-J1	—	—	—	—	—



Model 90

90 minute fire protection

Tested in accordance with EN 14470-1

All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty5
yearsFire-rated hazardous
material cabinets

1

Edition G fire-rated hazardous materials cabinets, with ONE TOUCH equipment

- Doors close automatically in the event of a fire
- Incl. One-touch feature - comfortable, easy opening of the cabinet with minimal effort
- The doors close automatically after 60 seconds



Ventilation fittings, extraction fans and additional accessories can be found

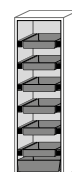
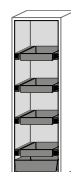
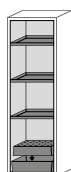
From page
164



Hazardous material cabinet edition-g type g-601-6, with folding doors and 6 slide-out sumps., Order no. 119-261-J1



For storing larger containers select a hazardous materials cabinet with 4 slide out spill trays



Model	Gf-601	GF-601.4	GF-601.6
Features	3 inlay shelves, sump and grid cover	4 slide-out spill trays	6 slide-out spill trays
Door version	folding door	folding door	folding door
External dimensions W x D x H [mm]	596 x 616 x 1968	596 x 616 x 1968	596 x 616 x 1968
Internal dimensions W x D x H [mm]	450 x 524 x 1742	450 x 524 x 1742	450 x 524 x 1742
Shelf load capacity [kg]	75	—	—
Slide-out spill pallet load capacity [kg]	—	25	25
Spillage decking capacity [l]	22	11	11
Weight [kg]	300	310	324
Order number Safety yellow (RAL 1004), door opens left	119-273-J1	119-258-J1	119-260-J1
Order number Safety yellow (RAL 1004), door opens right	119-285-J1	119-287-J1	119-272-J1
Order number Light grey (RAL 7035), door opens left	119-274-J1	119-259-J1	119-261-J1
Order number Light grey (RAL 7035), door opens right	119-286-J1	119-288-J1	119-277-J1
Accessories			
Order number Additional shelf	116-987-J1	—	—
Order number Plastic inlay spill pallets	133-976-J1	148-590-J1	148-590-J1

Fire-rated hazardous materials cabinets Select, with shelves and base spill pallet

- For the safe and legally compliant storage of flammable liquids with 90 minute fire protection in accordance with TRGS 510 (Appendix 3) and EN 14470-1



TOP PRODUCT

Order no. 200-987-J1

Hazardous materials cabinet model W-123, W 120 cm, body colour: anthracite grey (RAL 7016), doors in safety yellow (RAL 1004)

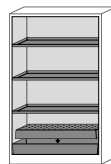
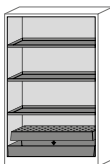
- Air extraction connection (NW 75) fitted in the roof of the cabinet
- With adjustable feet to be used on uneven floor surfaces
- Doors of the hazardous materials cabinet remain open at any angle (automatic closure in the event of a fire)
- Closing mechanism and safety equipment are corrosion protected and mounted outside the storage room
- With water-tight, tested spill pallet (in accordance with StawaR), powder coated sheet steel, incl perforated grid cover as additional storage level

Photos show cabinets with optional base panel



Hazardous materials cabinet model W-123, body colour: light grey (RAL 7016), doors in gentian blue (RAL 5010)

Ventilation fittings, extraction fans and additional accessories can be found

 From page
164


Model	W-123	W-123-0
Features	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover
Door version	hinged door	hinged door
Automatic door control	—	yes
External dimensions W x D x H [mm]	1193 x 615 x 1953	1193 x 615 x 1953
Internal dimensions W x D x H [mm]	1050 x 522 x 1647	1050 x 522 x 1647
Shelf load capacity [kg]	75	75
Spillage decking capacity [l]	33	33
Weight [kg]	470	473
Order number	200-987-J1	201-478-J1
Accessories		
Order number Additional shelf	116-975-J1	116-975-J1
Order number Plastic inlay spill pallets	116-939-J1	116-939-J1
Order number Plinth panel	201-062-J1	201-062-J1

The hazardous materials cabinet is supplied complete with accessible base. This can be covered with the optionally available base panel.



Order at the same time

The mover - for the easy transport of cabinets.



Order no. 201-059-J1

**DENIOS**
warranty**5**
years**Model 90****90 minute fire protection****Tested in accordance with EN 14470-1****All sumps are fully compliant
with HSE legislation and environmental
pollution prevention guidelines****Fire-rated hazardous
material cabinets****1**

Fire-rated hazardous materials cabinets Select, with slide-out spill trays and base spill pallet

The 2-colour concept


The new look (body in anthracite grey and doors available in 7 different colours) offers maximum individuality and a modern appearance. The textured surface finish is scratch resistant and suitable for a tough environment.


Please specify required door colour when ordering.


Body colour; anthracite grey, RAL 7016
 Door colour:
gentian blue, RAL 5010

 Door colour:
signal yellow, RAL 1004

 Door colour:
light grey, RAL 7035

 Door colour:
Pure white, RAL 9010

 Door colour:
Reseda green, RAL 6011

 Door colour:
Silver, similar to RAL 9006

 Door colour:
Signal red, RAL 3020

- Comfortable loading and unloading
- Slide-out spill trays allow a quick overview of each shelf's contents



Hazardous materials cabinet Model W-124 with 4 spill trays and Stawa-R floor spill pallet, doors in light grey (RAL 7035).

TOP PRODUCT

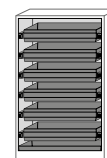
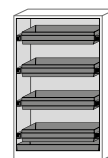
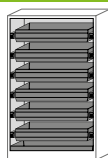
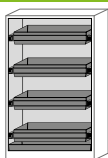


Hazardous materials cabinet Model W-126 with 6 spill trays and Stawa-R floor spill pallet, doors in traffic red (RAL 3020).

Photos show cabinets with optional base panel

**One touch models offer:**

- door hold-open device
- automatic door closer
- optical and audible warning signal for automatic door closing



Model	W-124	W-126	W-124-0	W-126-0
Features	4 slide-out spill trays	6 slide-out spill trays	4 slide-out spill trays	6 slide-out spill trays
Door version	hinged door	hinged door	hinged door	hinged door
Automatic door control	—	—	yes	yes
External dimensions W x D x H [mm]	1193 x 615 x 1953	1193 x 615 x 1953	1193 x 615 x 1953	1193 x 615 x 1953
Internal dimensions W x D x H [mm]	1050 x 522 x 1647	1050 x 522 x 1647	1050 x 522 x 1647	1050 x 522 x 1647
Slide-out spill pallet load capacity [kg]	60	60	60	60
Slide-out spill pallet capacity [l]	30	30	30	30
Spillage decking capacity [l]	33	33	33	33
Weight [kg]	501	533	503	535
Order number	201-019-J1	201-051-J1	201-510-J1	201-542-J1
Accessories				
Order number Plastic inlay spill pallets	148-583-J1	148-583-J1	148-583-J1	148-583-J1
Order number Plinth panel	201-062-J1	201-062-J1	201-062-J1	201-062-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Model 90

90 minute fire protection

Tested in accordance with EN 14470-1

DENIOS
warranty

5
years



Fire-rated hazardous materials cabinets Select, with shelves and base spill pallet

- Air extraction connection (NW 75) fitted in the roof of the cabinet
- With adjustable feet to be used on uneven floor surfaces
- Doors of the hazardous materials cabinet remain open at any angle (automatic closure in the event of a fire)
- Closing mechanism and safety equipment are corrosion protected and mounted outside the storage room
- With water-tight, tested spill pallet (in accordance with StawaR), powder coated sheet steel, incl perforated grid cover as additional storage level



Hazardous materials cabinet Model W 93, W 893 mm, doors in safety yellow

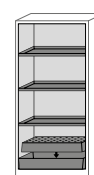
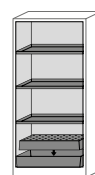
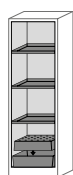
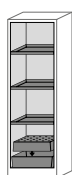


The hazardous materials cabinet is supplied complete with accessible base. This can be covered with the optionally available base panel.

Photos show cabinets with optional base panel



Hazardous material cabinet model w-63l, W 60 cm body colour: anthracite grey (RAL 7016), door in safety yellow (RAL 1004).



Model	W-63	W-63-0	W-93	W-93-0
Features	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover
Door version	hinged door	hinged door	hinged door	hinged door
Automatic door control	—	yes	—	yes
External dimensions W x D x H [mm]	599 x 615 x 1953	599 x 615 x 1953	893 x 615 x 1953	893 x 615 x 1953
Internal dimensions W x D x H [mm]	450 x 522 x 1647	450 x 522 x 1647	750 x 522 x 1647	750 x 522 x 1647
Shelf load capacity [kg]	75	75	75	75
Spillage decking capacity [l]	22	22	23	23
Weight [kg]	314	315	389	389
Order number Door hinge: left	200-960-J1	201-454-J1	—	—
Order number Door hinge: right	200-971-J1	201-462-J1	—	—
Order number Door hinge: both sides	—	—	200-979-J1	201-470-J1
Accessories				
Order number Additional shelf	116-987-J1	116-987-J1	133-979-J1	133-979-J1
Order number Plastic inlay spill pallets	133-976-J1	133-976-J1	133-978-J1	133-978-J1
Order number Plinth panel	201-060-J1	201-060-J1	201-061-J1	201-061-J1



DENIOS
warranty

5
years

Model 90

90 minute fire protection

Tested in accordance with EN 14470-1

**All sumps are fully compliant
with HSE legislation and environmental
pollution prevention guidelines**

**Fire-rated hazardous
material cabinets**

1

Fire-rated hazardous materials cabinets Select, with slide-out spill trays and base spill pallet

- For the safe and legally compliant storage of flammable liquids with 90 minute fire protection in accordance with TRGS 510 (Appendix 3) and EN 14470-1
- Comfortable loading and unloading
- Slide-out spill trays allow a quick overview of each shelf's contents









**Tested spill pallet (in
accordance with Stawa-R)**

The 2-colour concept

The new look (body in anthracite grey and doors available in 7 different colours) offers maximum individuality and a modern appearance. The textured surface finish is scratch resistant and suitable for a tough environment.

Body colour: anthracite grey, RAL 7016

-  Door colour: gentian blue, RAL 5010
-  Door colour: signal yellow, RAL 1004
-  Door colour: light grey, RAL 7035
-  Door colour: Pure white, RAL 9010
-  Door colour: Reseda green, RAL 6011
-  Door colour: Silver, similar to RAL 9006
-  Door colour: Signal red, RAL 3020

Please specify required door colour when ordering.

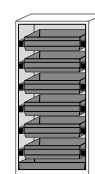
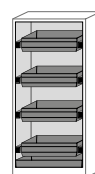
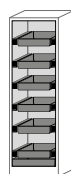
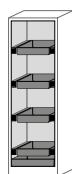


Hazardous material cabinet model w-64l,
W 60 cm. Body colour: anthracite grey
(RAL 7016), door in safety yellow (RAL 1004)



Hazmat cabinet Model W 96, doors in light grey, with
additional floor spill pallet (included in the delivery)

Photos show cabinets with optional base panel



Model	W-64	W-66	W-94	W-96
Features	4 slide-out spill trays	6 slide-out spill trays	4 slide-out spill trays	6 slide-out spill trays
Door version	hinged door	hinged door	hinged door	hinged door
Automatic door control	—	—	—	—
External dimensions W x D x H [mm]	599 x 615 x 1953	599 x 615 x 1953	893 x 615 x 1953	893 x 615 x 1953
Internal dimensions W x D x H [mm]	450 x 522 x 1647	450 x 522 x 1647	750 x 522 x 1647	750 x 522 x 1647
Slide-out spill pallet load capacity [kg]	25	25	60	60
Spillage decking capacity [l]	11	11	22	22
Slide-out spill pallet capacity [l]	5	5	19	19
Weight [kg]	324	338	418	445
Order number Door hinge: left	200-995-J1	201-027-J1	—	—
Order number Door hinge: right	201-003-J1	201-035-J1	—	—
Order number Door hinge: both sides	—	—	201-011-J1	201-043-J1
Accessories				
Order number Plastic inlay spill pallets	148-590-J1	148-590-J1	—	—
Order number Plinth panel	201-060-J1	201-060-J1	201-061-J1	201-061-J1

Fire-rated hazardous materials cabinets with two compartments

- two compartments (vertical division) allow separate storage of different hazardous substances in a cabinet
- extensive interior design for the clear storage of small containers
- For the safe and legally compliant storage of flammable liquids with 90 minute fire protection in accordance with TRGS 510 (Appendix 3) and EN 14470-1
- Air extraction connection (NW 75) fitted in the roof of the cabinet
- Extremely robust construction with scratch-proof paint
- With adjustable feet to be used on uneven floor surfaces



There's even more choice in the shop!

» www.denios.co.uk

The hazardous materials cabinet is supplied complete with accessible base. This can be covered with the optionally available base panel.



TOP PRODUCT

Order no. 266-821-J1



Equipment:

3 shelves, 1 floor spill pallet incl. perforated plate insert (powder coated sheet steel)
3 spill trays, 1 floor spill pallet (PP)

Equipment:

6 slide-out spill trays, 1 floor spill pallet (powder coated sheet steel),
3 spill trays, 1 floor spill pallet (PP)

	①	②
External dimensions W x D x H [mm]	1193 x 615 x 1953	1193 x 615 x 1953
Internal dimensions W x D x H [mm]	1050 x 522 x 1647	1050 x 522 x 1647
Shelf load capacity [kg]	75	—
Slide-out spill pallet load capacity [kg]	—	25
Load capacity, spill trays [kg]	50	50
Slide-out spill pallet capacity [l]	—	5
Spillage decking capacity [l]	22	11
Containment volume of floor spill pallet plastic [l]	11	11
Weight [kg]	478	506
Order number	266-821-J1	266-829-J1
Accessories		
Order number Plinth panel	201-062-J1	201-062-J1

The 2-colour concept

The new look (body in anthracite grey and doors available in 7 different colours) offers maximum individuality and a modern appearance. The textured surface finish is scratch resistant and suitable for a tough environment.

Please specify required door colour when ordering.

Body colour; anthracite grey, RAL 7016

Door colour:
gentian blue, RAL 5010

Door colour:
signal yellow, RAL 1004

Door colour:
light grey, RAL 7035

Door colour:
Pure white, RAL 9010

Door colour:
Reseda green, RAL 6011

Door colour:
Silver, similar to RAL 9006

Door colour:
Signal red, RAL 3020

PROFESSIONAL EQUIPMENT

Order no. 266-854-J1



Images show cabinets with optional base panel. Vent system not supplied as standard

Equipment:

4 shelves, 4 floor spill pallets (powder coated sheet steel)

Equipment:

2 shelves, 2 floor spill pallets with perforated plate inserts
2 floor spill pallets, 4 slide-out spill trays (powder coated sheet steel)

Ventilation fittings, extraction
fans and additional
accessories can be found

See page
164



External dimensions W x D x H [mm]	1193 x 615 x 1953	1193 x 615 x 1953
Internal dimensions W x D x H [mm]	1050 x 522 x 1647	1050 x 522 x 1647
Shelf load capacity [kg]	75	75
Slide-out spill pallet load capacity [kg]	—	25
Slide-out spill pallet capacity [l]	—	5
Spillage decking capacity [l]	22	22
Base spill pallet [l]	—	11
Weight [kg]	470	497
Order number	266-837-J1	266-854-J1
Accessories		
Order number Plinth panel	201-062-J1	201-062-J1

All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Model 30 30 minute fire protection
Tested in accordance with EN 14470-1

FM FM tested products

DENIOS also offers hazardous materials cabinets which meet the FM 6050 and UL/ULC 1275 test standards. These cabinet ranges meet the requirements of NFPA Code 30, NFPA 1 Fire Code, OSHA. Our specialists will be happy to help you with these international standards.



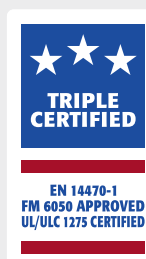
Triple certified hazardous materials cabinets, with 30 minute fire protection

- For the safe and legally compliant storage of flammable liquids with 30 minute fire protection

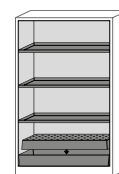
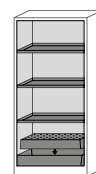
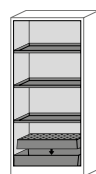
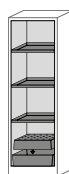
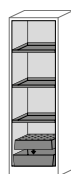
2-tone unique modern look: Body in anthracite grey (RAL 7016), doors in safety yellow (RAL 1004) or light grey (RAL 7035)



Info on type 30 cabinets: type 30 fire resistance is authorised provided only 1 cabinet is placed in each unit/fire compartment. If this fire compartment is larger than 100 m², one cabinet is permitted per 100 m².



Order no. 238-942-J1



Model	FM 30-63i	FM 30-63r	FM 30-93i	FM 30-93r	FM 30-123
Features	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover
Door hinge	left	right	left	right	both sides
External dimensions W x D x H [mm]	564 x 620 x 1947	564 x 620 x 1947	864 x 620 x 1947	864 x 620 x 1947	1164 x 620 x 1947
Internal dimensions W x D x H [mm]	450 x 519 x 1626	450 x 519 x 1626	750 x 519 x 1626	750 x 519 x 1626	1050 x 519 x 1626
Shelf load capacity [kg]	75	75	75	75	75
Spillage decking capacity [l]	22	22	23	23	33
Weight [kg]	180	181	235	236	281
Order number Door colour: Grey	238-934-J1	238-936-J1	238-938-J1	238-940-J1	238-942-J1
Order number Door colour: yellow	238-935-J1	238-937-J1	238-939-J1	238-941-J1	238-943-J1
Accessories					
Order number Additional shelf	116-987-J1	116-987-J1	133-979-J1	133-979-J1	116-975-J1
Order number Plastic inlay spill pallets	133-976-J1	133-976-J1	133-978-J1	133-978-J1	116-939-J1
Order number Plinth panel	219-570-J1	219-570-J1	219-572-J1	219-572-J1	219-573-J1

- Integral base, accessible underneath, making it easy to change location (base can be closed off by optional panel)
- Extremely robust construction with scratch-proof paint
- Closing mechanism and safety equipment are corrosion protected and mounted outside the storage room
- Incl. 3 shelves (height-adjustable in increments of 32 mm) and tested spill pallet (in accordance with Stawa-R) with grid cover
- Smooth-operation wing door(s) with high-quality, oil pressure damped door closer and door hold-open system, locked door(s), automatic closing in case of fire



Triple certified hazardous materials cabinets, with 90 minute fire protection

- For the safe and legally compliant storage of flammable liquids with 90 minute fire protection in accordance with TRGS 510 (Appendix 3) and EN 14470-1



EN 14470-1
FM 6050 APPROVED
UL/ULC 1275 CERTIFIED

The hazardous materials cabinet is supplied complete with accessible base. This can be covered with the optionally available base panel.



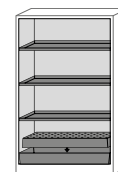
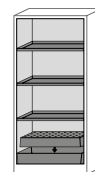
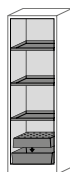
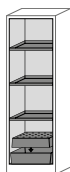
Order no. 238-926-J1

The single door hazardous materials cabinet is available with either a right or left hand opening door



Order no. 238-933-J1

3 shelves and a grid cover for the floor spill pallet offer storage room for a range of small containers



Model	FM w-63l	FM w-63r	FM W-93	FM W-123
Features	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover	3 inlay shelves, sump and grid cover
Door hinge	left	right	both sides	both sides
External dimensions W x D x H [mm]	599 x 615 x 1953	599 x 615 x 1953	893 x 615 x 1953	1193 x 615 x 1953
Internal dimensions W x D x H [mm]	450 x 522 x 1647	450 x 522 x 1647	750 x 522 x 1647	1050 x 522 x 1647
Shelf load capacity [kg]	75	75	75	75
Spillage decking capacity [l]	22	22	23	33
Weight [kg]	314	314	390	471
Order number Door colour: Grey	238-926-J1	238-928-J1	238-930-J1	238-932-J1
Order number Door colour: yellow	238-927-J1	238-929-J1	238-931-J1	238-933-J1
Accessories				
Order number Additional shelf	116-987-J1	116-987-J1	133-979-J1	116-975-J1
Order number Plastic inlay spill pallets	133-976-J1	133-976-J1	133-978-J1	116-939-J1
Order number Plinth panel	201-060-J1	201-060-J1	201-061-J1	201-062-J1

EXPERTISE

EXPERT ADVICE

SERVICE

EUROPEAN STANDARD DIN EN 14470-1

European standard DIN EN 14470-1 controls the structural requirements and test conditions for fire-rated safety / hazmat cabinets for the storage of flammable liquids in work rooms.

Fire resistance is classified into 4 classes (Type 15, 30, 60 and 90)

The number represents the minimum duration in minutes that the hazardous materials cabinet must withstand the fire. In Germany only Type 90 safety / hazmat cabinets are used for unlimited storage in work areas. Additional requirements for the intended operation of safety / hazmat cabinets in work areas can be found in the technical rules for hazardous materials (TRGS 510).

Protection aims

- Minimisation of the risk of fire when storing flammable substances and protection of the storage container in the event of a fire, so that employees and third parties can leave the room in safety.
- There should be sufficient time for the fire service to enter the room before the flammable substances stored become an uncontrollable fire instead of one which can be extinguished.
- Minimisation of the vapours given off in the environment.
- Retention of any leaks inside the cabinets.
- Safety / hazardous materials cabinets must be set up and operated in such a way that the safety of employees and third parties is guaranteed, especially from the risks of fire and explosion.

Current state of the art: All DENIOS hazmat cabinets

- Are type approved to the conditions specified in DIN EN 14470-1
- Meet the highest fire resistance class of Type 90 (90 minutes) specified in TRGS 510 or the minimum requirement Type 30 (30 minutes)
- Meet the structural requirements specified in DIN EN 14470-1
- and have all the necessary certifications
- Are also tested to the current GS criteria.

Test conditions DIN EN 14470 sets out the following requirements, amongst others:

- The fire resistance of a cabinet must be demonstrated by a fire test.
- During the fire test the cabinet is only 100 mm away from the fire wall. Flame application is in accordance with the unified curve in EN 1363-1.
- The temperature rise is measured at 13 defined points in the cabinet.
- The doors must close fully from any position within max. 20 seconds. If a door hold-open device is fitted, this must trigger at a temperature of 50 °C (+0 / -10°C).
- Ventilation openings must close automatically at a temperature of 70 °C (+/- 10°C).
- Shelves or slide-out spill trays in the cabinet must ensure the permitted maximum load capacity until the end of the fire test. The floor spill pallet must also remain sealed.

The GS mark

At the end of 2009, the Central Office of the Federal States for Safety Engineering (ZLS) approved the extended test principles for the testing of hazmat cabinets. EN 14470-1 principally gives the criteria for fire protection, testing and documentation. EN 14470-1 principally gives the criteria for fire protection, testing and documentation. Testing for the GS symbol duplicates these requirements and increases them. An additional point of emphasis is the testing for long term operation and user safety.

All DENIOS hazmat cabinets bear the current GS mark. Choosing a DENIOS product ensures you benefit from additional quality, safety and long life.



The stricter test criteria include:

- The mechanical components (for example doors and drawer slides) are subjected to an additional long term test under maximum loading from now on.
- The GS mark is only granted when 50,000 opening/closing movements have been completed with no damage.
- Additional temperature measuring points must be fitted during the fire test in the oven and on the base of the cabinet (important for cabinet designs which have an accessible base).
- Proof that all operator parts on the cabinet are free from toxic / carcinogenic polycyclic aromatic hydrocarbons (PAH).



**Key Facts of the
British Health &
Safety Legislation**

The DENIOS Key Facts of the British Health & Safety Legislation 2020 is an essential source of knowledge for hazardous materials storage and legislation that governs it. This handy guide covers DSEAR, BS EN 14470-1, Ventilation and more.

Order your FREE copy today!



**[www.denios.co.uk/
regulations](http://www.denios.co.uk/regulations)**

**DENIOS**
warranty**5**
yearsAll sumps are fully compliant
with HSE legislation and environmental
pollution prevention guidelines**Model 30****30 minute fire protection**

Tested in accordance with EN 14470-1

**Fire-rated hazardous
material cabinets****1**

Fire-rated Select hazardous materials cabinets with folding doors

For the safe and legally compliant storage of flammable liquids with 90 minute fire protection in accordance with TRGS 510 (Appendix 3) and EN 14470-1

- Doors of the hazardous materials cabinet are held by the standard door hold-open system (automatic closure in the event of a fire)
- Closing mechanism and safety equipment are corrosion protected and mounted outside the storage room
- Integral base, accessible underneath, making it easy to change location (base can be closed off by optional panel)
- Air extraction connection (NW 75) fitted in the roof of the cabinet
- 2-tone modern look: Body in anthracite grey (RAL 7016), doors available in many colours



You choose - select the system that meets your needs from the following designs:

- with 3 shelves and base spill pallet
- with 4 slide-out spill trays
- with 6 slide-out spill trays

Still not found the ideal solution?

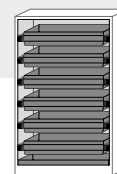
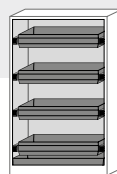
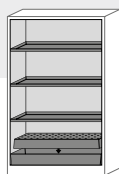
Just give us a call. The right solution for every application can be found in the broad Select range.



Space saving folding doors: need just a small amount of room in front of the cabinet when the doors are open



The slide-out spill trays make it easy to safely see the hazardous substances stored



Model	W 123	W 124	W 126
Features	3 inlay shelves, sump and grid cover	4 slide-out spill trays	6 slide-out spill trays
External dimensions W x D x H [mm]	1193 x 615 x 1953	1193 x 615 x 1953	1193 x 615 x 1953
Internal dimensions W x D x H [mm]	1050 x 522 x 1647	1050 x 522 x 1647	1050 x 522 x 1647
Shelf load capacity [kg]	75	—	—
Slide-out spill pallet load capacity [kg]	—	60	60
Spillage decking capacity [l]	33	33	33
Slide-out spill pallet capacity [l]	—	30	30
Weight [kg]	455	486	518
Order number Doors in safety yellow (RAL 1004)	233-801-J1	233-803-J1	233-805-J1
Order number Doors in light grey (RAL 7035)	233-802-J1	233-804-J1	233-806-J1
Accessories			
Order number Additional shelf	116-975-J1	—	—
Order number Plastic inlay spill pallets	116-939-J1	148-583-J1	148-583-J1
Order number Plinth panel	201-062-J1	201-062-J1	201-062-J1

Scoper is unique!

The first hazmat cabinet with practical vertical pull-out technology. SCOPER combines innovative, modern technology with maximum comfort and safety. When the number of substances needed increases, but the individual quantities reduce, finding the right storage solution can be difficult.

SCOPER slim: the same storage volume as standard cabinets, just half the width. At just 45 cm wide, roughly the same quantity of hazardous substances can be stored in a SCOPER hazardous materials cabinet as in a 90 cm wide cabinet with slide-out shelves. This means you'll use your space efficiently

The cabinet is available with either one (SCOPER slim, W 45 cm) or two vertical pull-outs (SCOPER wide, W 81 cm). Each vertical pull-out has either 4 or 5 shelves as standard. Alternative combinations are available on request.



Go online! Discover even more exciting product highlights!

» www.denios.co.uk

Safety at the press of a button: automatic opening and closing for easy operation

- In the event of a fire, an electronic temperature sensor triggers the closure of the vertical pull-outs
- Door closes after 60 seconds with visual and acoustic warning as standard
- Intelligent stop function as standard: the vertical pull-out recognises an obstacle, meaning there's no danger of getting a hand or finger trapped.
- In the event of a power cut, the pull-outs are safely closed automatically by battery power
- Vertical pull-outs can be locked with a profile cylinder (closing system compatible) and lock indicator (red/green)
- Locking the cabinet blocks the motor, the vertical pull-outs can no longer be opened, safely preventing unauthorised access.
- Integrated ventilation system (NW 75 mm)
- Sturdy, high quality, scratch-resistant outer body with powder coated surface
- Integral adjusting feet for adjustment for uneven floor surfaces
- For the unlimited storage of flammable liquids (H224-226) in accordance with TRGS 510 (Appendix 3)
- 90 minute fire resistance according to DIN EN 14470-1
- The spill pallet included is supplied with a perforated plate cover. This may be also used as a storage area
- Shelves adjustable in 25 mm increments
- Accessible from both sides, can be easily integrated into your workplace



Access on each side is ideal for integration in the workplace



Scoper Slim with 4 or 5 shelves

HazMat cabinets from the SCOPER range make it easy to meet the important requirements for storing flammable hazardous materials.



Image shows cabinet with optional rail system

Scoper slim offers fully functionality with just half the cabinet width. Depending on model, cabinets are fitted with either 4 or 5 shelves. Including a floor spill pallet with perforated cover



- Absolute legal compliance
- Fire-rated hazardous materials cabinet – Type 90 with vertical pull-out
- Easy and safe to use
- Spill pallet tested to StawaR

Order no. 245-539-J1

Scoper - safety, quick access, good overview and perfect handling

Depending on model, cabinets are fitted with either 4 or 5 shelves. Including a floor spill pallet with perforated cover

Ventilation fittings, extraction fans and additional accessories can be found

From page
164



Model	45-4	45-5
Features	4 shelves, 1 floor spill pallet with grid cover	5 shelves, 1 floor spill pallet with grid cover
Number of storage levels	5	6
External dimensions W x D x H [mm]	449 x 860 x 1966	449 x 860 x 1966
Internal dimensions W x D x H [mm]	331 x 775 x 1750	331 x 775 x 1750
Shelf load capacity [kg]	50	50
Load capacity per vertical pull-out [kg]	140	140
Spillage decking capacity [l]	13	13
Weight [kg]	344	344
Order number Blue	245-544-J1	245-541-J1
Order number yellow	245-542-J1	245-539-J1
Order number Grey	245-543-J1	245-540-J1

Scoper Wide with 8 or 9 shelves

i Scoper - safety, quick access,
good overview and perfect
handling



- Absolute legal compliance
- 90 minute fire resistance
- Safety for employees and the environment
- Easy and safe to use
- Direct access with maximum visibility of contents
- Certified, reliable quality
- Fire-rated hazardous materials cabinet – Type 90 with vertical pull-out

Image shows cabinet with optional rail system

Order no. 245-550-J1

Depending on model, 8 (as shown in the photo), 9 or 10 shelves are supplied. The floor spill pallet and grid cover are always included. This may be used as an additional storage area

Model	81-8	81-9
Features	8 shelves, 2 floor spill pallets with grid cover	9 shelves, 2 floor spill pallets with perforated cover
Number of storage levels	10	11
External dimensions W x D x H [mm]	819 x 860 x 1966	819 x 860 x 1966
Internal dimensions W x D x H [mm]	701 x 775 x 1750	701 x 775 x 1750
Shelf load capacity [kg]	50	50
Load capacity per vertical pull-out [kg]	140	140
Spillage decking capacity [l]	13	13
Weight [kg]	500	500
Order number Blue	245-550-J1	245-553-J1
Order number yellow	245-548-J1	245-551-J1
Order number Grey	245-549-J1	245-552-J1



Scoper Wide with 10 shelves



Image shows cabinet with optional rail system

Depending on model, 8 (as shown in the image), 9 or 10 shelves are supplied. The floor spill pallet and perforated cover are always included. This may be used as an additional storage area

Ventilation fittings, extraction fans and additional accessories can be found

From page
164

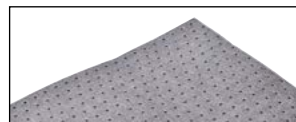


Model	81-10
Features	10 shelves, 2 floor spill pallets with grid cover
Number of storage levels	12
External dimensions W x D x H [mm]	819 x 860 x 1966
Internal dimensions W x D x H [mm]	701 x 775 x 1750
Shelf load capacity [kg]	50
Load capacity per vertical pull-out [kg]	140
Spillage decking capacity [l]	13
Weight [kg]	500
Order number yellow	245-545-J1
Order number Grey	245-546-J1
Order number Blue	245-547-J1

Order at the same time

Anti-slip matting

For secure attachment to the shelf



Rail system per shelf

Additional tilt prevention for stored containers (in pairs)



Additional shelf (load capacity 50 kg)

Flexible storage. Adjusting shelving to suit your needs is child's play with Scoper. Adjustable in steps of 32 mm it's easy to move each shelf to where you want it.



Accessories	Anti-slip matting	Rail system per shelf	Additional shelf (load capacity 50 kg)
Order number	245-556-J1	245-555-J1	245-554-J1

Centrifugal fans

All gases, steams or materials must be extracted directly at the point of withdrawal from the cabinet

- The housing and impeller are manufactured from flame retardant polypropylene
- Sealed to prevent gas leakages
- Connection piece Ø 75 mm
- Vdma and CE conformity
- Protection category IP 55
- Flow rate 60-250 m³/H
- Total pressure 240-175 PA
- With PA / GFK mounting bracket

Model*	Zone 1	No zone*
Output [W]	90	90
Nominal voltage [V]	400	230
Sound level [db(A)]	45	45
Revolutions [U/min]	2800	2850
Order number	116-941-J1	116-943-J1

*Extraction from zone 2, installation in no zone

Radial fan, ex-proof for unlimited use even in Zone 1, CE EX II 2G C IIB T4 PTB07 ATEX D 105, power connection 400 V / 50 Hz



Order no. 116-941-J1

Quick to install extraction units for technical ventilation

- Suitable for up to 120 times air change inside the cabinet
- With connecting cable and Schuko plug
- ATEX compliant: CE EX II 3/-g EX C IIC T4
- Output (W): 35
- Dimensions W x D x H (mm): 200 x 400 x 200
- Nominal voltage 230 V / 50 Hz
- Speed (rpm): 2450
- Noise level: 35 dB (A)



Add on without air surveillance.

Order no. 129-345-J1



Ready-to-connect ventilation kit for up to 120 times air exchange, wall-mounted, with monitoring

Order no. 162-204-J1

Model	Ad 12	Wo 12	AM 12	WM 12	AP 12	WP 12
Features	As cabinet attachment	Wall-mounted	As cabinet attachment	Wall-mounted	As cabinet attachment	Wall-mounted
Included in delivery	—	—	With air extraction monitoring	With air extraction monitoring	With air extraction monitoring and potential-free alarm contact	With air extraction monitoring and potential-free alarm contact
Order number	129-345-J1	162-203-J1	136-799-J1	162-204-J1	180-341-J1	180-342-J1

Air extraction monitoring

- **For installation between safety cabinet and the customer's ventilation system**
- Safe and simple monitoring of extracted air quantities from a hazardous materials cabinet
- With connecting cable and Schuko plug
- Dimensions W x D x H (mm): 300 x 400 x 265
- ATEX compliant: CE EX II 3/-g EX N IIC T4
- Noise level: < 28 dB (A)



Order no. 180-343-J1

Model	BI	CI	HI	EI
Included in delivery	Air extraction monitoring	Volumetric flow monitoring	Volumetric flow monitoring with potential-free alarm contact	Volumetric flow monitoring with potential-free alarm contact, digital indicator and acoustic warning signal on power failure
Flow rate min [m³/h]	30	20	20	20
Flow rate max [m³/h]	200	300	300	300
Order number	180-343-J1	180-344-J1	180-345-J1	180-346-J1



"You can prevent

this in the future!"



Recirculating air filter

- Save the expense of knocking holes in the wall and save space that would be needed for ventilation equipment
- EX zones must be avoided in and around the hazardous materials cabinet in accordance with BGR 104 (ex-rl)
- Tested and certified



Order no. 156-498-J1

Recirculating air filter system for hazardous material cabinets from 1300 mm in height, complete with multi-level filter system, connection cable and mains plug

- Complete with multi-level filter system, connection cable and mains plug
- No expensive extraction piping necessary, the recirculating air filter system can be assembled easily and safely
- Active personal protection through capturing and retaining harmful vapours in the filter system
- Operates quietly - approx. 39 Db (A)
- ATEX compliant: EX II 3/- G EX ic na IIB T4 GC
- External dimensions W x D x H (mm): 305 x 555 x 210
- Voltage / frequency



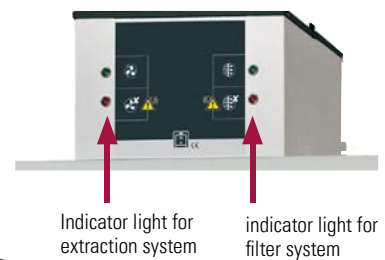
The plug in recirculating air filter system is capable of retaining solvent vapours (hydrocarbons) permanently, up to a filter saturation of more than 99.999%, Both under normal operating conditions and when an accident has been simulated inside the safety cabinet.

Adapter, necessary for denios safety cabinets, year of manufacture 2005 or older and products from other manufacturers

Order no. 171-300-J1

Filter exchange on recirculating air filter system, incl. Filter, travel to and from

Order no. 184-436-J1





The highest levels of safety

Custos - the new recirculating air filter cabinets from DENIOS

With the multifunctional recirculating air filter cabinets, the most diverse hazardous substances can be stored together in one cabinet.

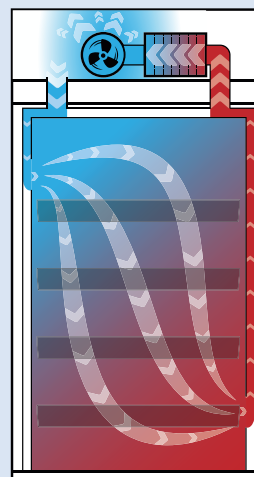


Modern monitoring electronics ensure safety for everyday use.

- Filter saturated by solvent vapours (hydrocarbons)
- Air exchange rate (extraction volume)
- Service intervals
- Scheduled date for manual filter saturation inspection



The ventilation filter cabinets are extensively tested and certified by infraserv Höchst, a notified body, in accordance with the German legislation hazardous substances regulations.



Permanent, monitored technical ventilation for cabinets. Means no worker exposure to vapours which are hazardous to health

No EX zone needed around the cabinet (when storing flammable liquids)

Expensive air extraction systems are not needed

Good flexibility in choice of installation site

Excellent quality

- Hazardous materials cabinet fire resistance testing in accordance with EN 14470-1
- Hazmat testing of the hazardous materials cabinet in accordance with the requirements of EN 14470-1 and the laboratory furniture standard EN 14727
- ATEX_Conformity CE II 3/-G Ex ic nA IIB T4 Gc for the ventilation filter cabinet
- CE declaration of conformity

DENIOS
warranty5
yearsAll sumps are fully compliant
with HSE legislation and environmental
pollution prevention guidelines

Model 90

90 minute fire protection

Tested in accordance with EN 14470-1

Recirculating air filter cabinets

1

Custos Model E - Hazardous materials cabinet with integral air recirculation ventilation

- Improved flexibility for storing hazardous substances in one cabinet

Recirculating air filter cabinets allow the combined storage of various hazardous substances in one cabinet. Any vapours which are harmful to health are extracted and filtered. Costly air extraction to outside is not needed.

- Fire resistance class 90 minutes (Type 90 in accordance with EN 14470-1)
- Open two doors at the same time with one hand, doors are held by the standard door hold-open device
- The standard door closer releases the doors after 60 seconds, with a visual and audible warning signal before the doors are closed
- 2-tone unique, modern look: Body in anthracite grey (RAL 7016), doors available in:
Safety yellow (RAL 1004)
Light grey (RAL 7035)
Traffic red (RAL 3020)
- Integral base, accessible underneath, making it easy to change location (base can be closed off by optional panel)



Image shows cabinet with optional base panel



We recommend:

Tell us which hazardous substances are to be stored in the recirculating air filter cabinets. We will be happy to check in advance if combined storage is recommended and if so, for what quantities this is permitted. We can also determine in advance which hazardous substances will be captured by the filter system. Information on the combined storage of hazardous substances can also be found in TRGS 510, section 7.

Recirculating air filter system for the storage of flammable liquids included in the delivery

- Ideal for installation in workrooms, approx. 39 db(A)
- With multi-stage broadband filter
- Visual and acoustic alarm
- Display with innovate touch-panel
- Atex compliant: CE Ex II 3/-G Ex ic nA IIB T4 Gc

Model	E-123	E-124	E-126
Features	3 inlay shelves, sump and grid cover	4 slide-out spill trays	6 slide-out spill trays
External dimensions W x D x H [mm]	1193 x 615 x 2294	1193 x 615 x 2294	1193 x 615 x 2294
Internal dimensions W x D x H [mm]	1050 x 522 x 1647	1050 x 522 x 1647	1050 x 522 x 1647
Shelf load capacity [kg]	75	—	—
Slide-out spill pallet load capacity [kg]	—	60	60
Spillage decking capacity [l]	33	33	33
Slide-out spill pallet capacity [l]	—	30	30
Weight [kg]	479	518	550
Order number Grey	248-459-J1	248-462-J1	248-465-J1
Order number Red	248-461-J1	248-464-J1	248-467-J1
Order number yellow	248-460-J1	248-463-J1	248-466-J1
Accessories			
Order number Plinth panel	201-062-J1	201-062-J1	201-062-J1



Custos Model K - Hazardous materials cabinet with integral air recirculation ventilation

Recirculating air filter cabinets allow the combined storage of various hazardous substances in one cabinet. Any vapours which are harmful to health are extracted and filtered. Costly air extraction to outside is not needed.

■ **Two sections (vertical split) permit the separated storage of various hazardous substances in one cabinet**

- Incl. modern monitoring electronics
- Improved flexibility for storing hazardous substances in one cabinet
- Doors of the hazardous materials cabinet remain open at any angle (automatic closure in the event of a fire)
- Complete closing mechanism and safety equipment are corrosion protected and mounted outside the storage room
- Integral base, accessible underneath, making it easy to change location (base can be closed off by optional panel)
- Doors can be locked with profile cylinder (closing system compatible) and lock indicator (red/green)
- Extremely robust construction with scratch-proof paint
- With adjustable feet to be used on uneven floor surfaces
- Cabinet equipment:
Left side 3 shelves. Floor spill pallet with perforated cover (powder coated steel plate)
Right side: 3 spill trays, 1 floor spill pallet (PP)
Floor spill pallets approved to StawaR (steel) or DIBt (plastic/PP)
- 2-tone unique, modern look:
Body in anthracite grey (RAL 7016),
doors available in:
Safety yellow (RAL 1004)
Light grey (RAL 7035)
Traffic red (RAL 3020)

i We recommend:
Tell us which hazardous substances are to be stored in the recirculating air filter cabinets. We will be happy to check in advance if combined storage is recommended and if so, for what quantities this is permitted. We can also determine in advance which hazardous substances will be captured by the filter system. Information on the combined storage of hazardous substances can also be found in TRGS 510, section 7.



Image shows cabinet with optional base panel

Model	K-123
Features	3 shelves, floor spill pallet with perforated cover, (sheet steel), 3 spill trays, 1 floor spill pallet (PP)
External dimensions W x D x H [mm]	1193 x 615 x 2294
Internal dimensions W x D x H [mm]	1050 x 522 x 1647
Spillage decking capacity [l]*	22
Shelf load capacity left [kg]	75
Shelf load capacity right [kg]	50
Weight [kg]	479
Order number Grey	248-480-J1
Order number yellow	248-481-J1
Order number Red	248-482-J1
Accessories	
Order number Plinth panel	201-062-J1

*The plastic spill pallets have a containment volume of 12 litres

The Custos Model K permits storage of flammable and aggressive hazardous substances

Recirculating air filter system for the storage of flammable liquids included in the delivery

- Ideal for installation in workrooms, approx. 39 db(A)
- With multi-stage broadband filter
- Visual and acoustic alarm
- Display with innovate touch-panel
- Atex compliant: CE Ex II 3/-G Ex ic nA IIB T4 Gc



Custos Model C - Chemicals cabinet with integral air recirculation ventilation

- Sturdy, high quality, scratch-resistant outer body with powder coated surface
- With optional perforated plate insert for the spill pallet to give an additional storage area
- Doors are lockable with an integral cylinder lock in the handle
- Integral adjustable feet - cabinet is easy to set up on uneven floors
- Additional shelves can be ordered to suit your requirements



Custos Model SL - Acids and alkalis cabinet with integral air recirculation ventilation

- Doors and body in light grey (RAL 7035)
- Slide-out shelves with DIBt approved, removable plastic spill pallet
- Two sections allow separated storage of acids and alkalis in one cabinet
- Outer body in coated fine sheet steel
- Closing mechanism is corrosion protected and outside the storage room
- Automatically closing doors with profile cylinder (closing system compatible)
- Integral adjustable feet - easy cabinet set up on uneven floors



Recirculating air filter system
included in the delivery

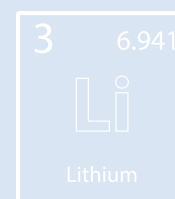
- Ideal for installation in workrooms, approx. 39 db(A)
- With multi-stage broadband filter
- Visible and audible alarm
- Display with innovate touch-panel
- Manual filter saturation check with sampling valve

Model	C-83	C-103
Features	3 shelves, floor spill pallet	3 shelves, floor spill pallet
External dimensions W x D x H [mm]	810 x 520 x 2290	1055 x 520 x 2290
Spillage decking capacity [l]	33	33
Shelf load capacity [kg]	60	100
Order number White	248-476-J1	248-474-J1
Order number Grey	248-477-J1	248-475-J1
Accessories		
Order number Perforated metal insert for floor spill pallet	202-810-J1	202-811-J1

Model	SL-606	SL-1212
Features	6 slide-out shelves	12 pull-out shelves
External dimensions W x D x H [mm]	600 x 615 x 2300	1197 x 615 x 2300
Slide-out spill pallet capacity [l]	11	11
Load capacity pull-out shelf [kg]	25	25
Order number	248-479-J1	248-478-J1

Hazardous materials cabinets SafeStore for the passive storage of lithium-ion batteries

Based on the proven technology of our hazardous materials cabinets, we have developed a sophisticated system to address the special potential risks associated with the storage of lithium-ion batteries. With fire protection from inside and out, there is no chance of dangerous thermal runaway. The SafeStore range offers an attractive, safe choice for the passive storage of new or used lithium-ion batteries.



Lithium-ion battery storage cabinet SafeStore

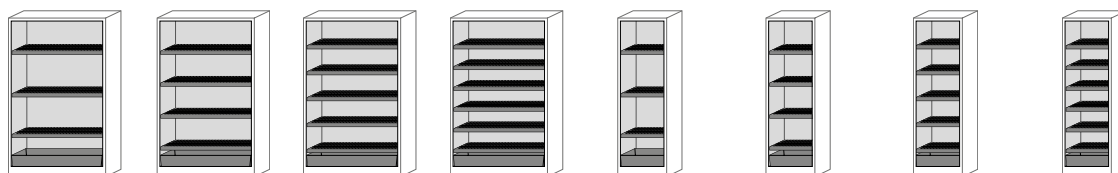


- Storage cabinet for undamaged lithium-ion batteries (passive storage)
- **All-round protection: 90 minute fire protection from the outside in (Type 90) in accordance with EN 14470-1**
- **Over 90 minutes fire resistance for a fire acting from inside to out, in line with EN 1363-1**
- With tested, liquid-tight spill pallet (powder coated sheet steel). For containment of any leaks from burning batteries
- With permanently self-closing doors and quality oil-damped door closers
- Doors can be locked with profile cylinder (closing system compatible) and lock indicator (red/green)
- With adjustable feet to be used on uneven floor surfaces
- Extremely robust construction with scratch-proof paint
- Air extraction connection (NW 75) fitted in the roof of the cabinet

Passive storage

With passive storage, new or used lithium-ion batteries can be stored for a set time period. We recommend that new and used batteries are stored separately in the SafeStore hazmat cabinet (on separate shelves)

The shelves are height adjustable on all cabinets without charging facilities. Body colour is always anthracite grey (RAL 7016), wing doors in gentian blue (RAL 5010)



Model	SafeStore-123-L	SafeStore-124-L	SafeStore-125-L	SafeStore-126-L	SafeStore-63-L	SafeStore-64-L	SafeStore-65-L	SafeStore-66-L
Features	3 shelves, floor spill pallet	4 shelves, floor spill pallet	5 shelves, floor spill pallet	6 shelves, floor spill pallet	3 shelves, floor spill pallet	4 shelves, floor spill pallet	5 shelves, floor spill pallet	6 shelves, floor spill pallet
External dimensions W x D x H [mm]	1193 x 615 x 1953	1193 x 615 x 1953	1193 x 615 x 1953	1193 x 615 x 1953	599 x 615 x 1953	599 x 615 x 1953	599 x 615 x 1953	599 x 615 x 1953
Internal dimensions W x D x H [mm]	1050 x 522 x 1647	1050 x 522 x 1647	1050 x 522 x 1647	1050 x 522 x 1647	450 x 522 x 1647	450 x 522 x 1647	450 x 522 x 1647	450 x 522 x 1647
Spillage decking capacity [l]	33	33	33	33	22	22	22	22
Weight [kg]	469	479	490	499	292	297	302	307
Order number	261-991-J1	261-992-J1	261-993-J1	261-994-J1	263-604-J1	263-605-J1	263-606-J1	263-607-J1
Accessories								
Order number Plinth panel	201-062-J1	201-062-J1	201-062-J1	201-062-J1	201-060-J1	201-060-J1	201-060-J1	201-060-J1



Model 90

90 minute fire protection

Tested in accordance with EN 14470-1

Lithium-ion battery storage cabinet SafeStore-Pro, with fire suppression system

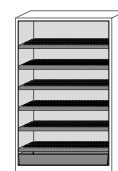
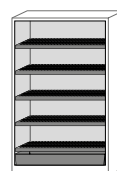
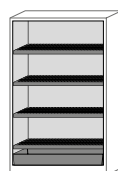
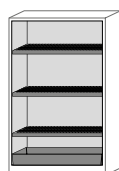
- Incl. warning / fire suppression system. The sophisticated, 3-stage system inside the cabinet is triggered automatically in the event of a fire

The 3 stage warning/fire suppression system

With the integral 3 stage warning/fire suppression system, the Smart and SafeStore-Pro cabinets offer a high level of safety when loading and unloading lithium-ion batteries. A fire starting in the cabinet is immediately recognised. Connecting the warning/fire suppression system to a permanently manned building control system or fire control centre also ensures that appropriate measures can be taken quickly.



Body in anthracite grey (RAL 7016) with wing doors in gentian blue (RAL 5010), with grid shelves and fire warning/suppression system

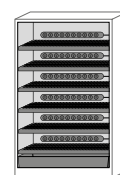
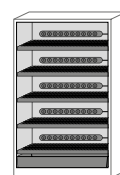
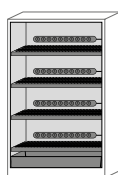
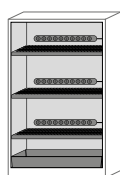


Model	SafeStore-123-LP	SafeStore-124-LP	SafeStore-125-LP	SafeStore-126-LP
Features	3 shelves, floor spill pallet	4 shelves, floor spill pallet	5 shelves, floor spill pallet	6 shelves, floor spill pallet
External dimensions W x D x H [mm]	1193 x 615 x 1953	1193 x 615 x 1953	1193 x 615 x 1953	1193 x 615 x 1953
Internal dimensions W x D x H [mm]	1050 x 522 x 1647	1050 x 522 x 1647	1050 x 522 x 1647	1050 x 522 x 1647
Spillage decking capacity [l]	33	33	33	33
Weight [kg]	474	484	494	505
Order number	263-600-J1	263-601-J1	263-602-J1	263-603-J1
Accessories				
Order number Plinth panel	201-062-J1	201-062-J1	201-062-J1	201-062-J1

Hazardous materials cabinets SmartStore - for the active storage of lithium-ion batteries

Lithium-ion battery charging cabinet SmartStore

- Each storage level is equipped with a high quality socket board with a metal housing and 10 protected sockets. The socket boards are already fitted to the rear wall of the cabinet.
- Incl. warning / fire suppression system. The sophisticated, 3-stage system inside the cabinet is triggered automatically in the event of a fire
- Ready to be connected to the mains power supply
- Incl. technical air extraction (to avoid a build up of heat in the inner room)



Model	123-L	124-L	125-L	126-L
Features*	3 shelves, floor spill pallet, 3x socket boards UK, warning/fire suppr. system, techn. ventilation	4 shelves, floor spill pallet, 4x socket boards UK, warning/fire suppr. system, techn. ventilation	5 shelves, floor spill pallet, 5x socket boards UK, warning/fire suppr. system, techn. ventilation	6 shelves, floor spill pallet, 6x socket boards UK, warning/fire suppr. system, techn. ventilation
External dimensions W x D x H [mm]**	1193 x 615 x 2224	1193 x 615 x 2224	1193 x 615 x 2224	1193 x 615 x 2224
Internal dimensions W x D x H [mm]	1050 x 522 x 1953	1050 x 522 x 1953	1050 x 522 x 1953	1050 x 522 x 1953
Spillage decking capacity [l]	33	33	33	33
Weight [kg]	490	502	514	526
Order number	267-007-J1	267-008-J1	267-009-J1	267-010-J1
Accessories				
Order number Plinth panel	201-062-J1	201-062-J1	201-062-J1	201-062-J1
Order number 400 V power supply	267-275-J1	267-275-J1	267-275-J1	267-275-J1

*The position of the shelves and socket boards is fixed and cannot be altered.

**Height information including vent system

Active storage

During active storage, lithium-ion batteries in the cabinet are either charged using charging equipment or partially discharged (60-70%).

When a lithium-ion battery is charged, heat is produced. If too much heat is produced, a fire can break out e.g. when the lithium battery, the charging equipment or the connection cable is faulty. Thermal runaway of lithium-ion batteries is another risk, which can be caused by internal short circuits for example.

■ Socket board total output SmartStore:

max. total output = 3.68 kW - as standard, 230 V, 1-phase, fuse 16 A

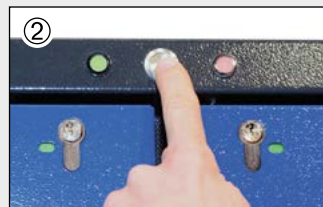
max. total output = 11.04 kW - optional, 400 V, 3-phase, fuse 3 x 16 A



Integrated technical ventilation



Fire suppression system



Operation indicator (green LED) and warning light (red LED)



Socket board with metal housing and protected sockets



Smoke detector and temperature sensor



Perforated shelves in combination with the steel spill pallet prevent any loss of leaked liquids

90 minutes
of safety!



The SmartStore offers fire protection from inside and out and has a sophisticated, 3 level fire warning / suppression system.



incl. 2 socket strips with 10 sockets each and smoke detector with alarm contact

SmartStore-Compact

The space saving version

- Socket board total output - standard 1-phase, 230 V, 16 A fuse, max. permitted total output = 3.68 kW. Available as an option: 3-phase, 400 V, 3x 16 A fuse, max. permitted total output = 11.04 kW

Model	SmartStore-Compact
Features	4 perforated shelves
External dimensions W x D x H [mm]	599 x 615 x 1953
Internal dimensions W x D x H [mm]	450 x 522 x 1953
Spillage decking capacity [l]	22
Weight [kg]	297
Order number	272-016-J1
Accessories	
Order number 400 V power supply	267-275-J1
Order number Plinth panel	201-060-J1





Model GU underbench cabinet with fire resistance class Type 30/90

- Fire-rated underbench cabinets for legally compliant storage of flammable liquids (H224-226) in work areas in accordance with TRGS 510 (Appendix 3)
- Safe storage of hazardous liquids close to the area of use
- Comfortable installation beneath a laboratory fume hood or workbenches possible
- Tested for long life: 50,000 wear-free open/close operations

Safety-tested

BS EN CE


Info on Type 30 cabinets: (Extract from TRGS 510, Appendix 3) Type 30 fire resistance is authorised provided only 1 cabinet is placed in each unit/fire compartment. If this fire compartment is larger than 100 m², one cabinet is permitted per 100 m².



The mobile base ensures it can be moved easily and attached securely



Image incl. optional base frame

Model	GU 50.T	GU 50
Features	1 slide-out spill tray	1 slide-out spill tray
External dimensions W x D x H [mm]	593 x 502 x 600	593 x 574 x 600
Internal dimensions W x D x H [mm]	470 x 382 x 502	470 x 452 x 502
Slide-out spill pallet load capacity [kg]	50	50
Weight [kg]	129	162
Order number Type 90	178-043-J1	122-888-J1

Model	GU 90.T	GU 90
Features	1 slide-out spill tray	1 slide-out spill tray
External dimensions W x D x H [mm]	893 x 502 x 600	893 x 574 x 600
Internal dimensions W x D x H [mm]	771 x 382 x 502	771 x 452 x 502
Slide-out spill pallet load capacity [kg]	50	50
Weight [kg]	173	207
Order number Type 90	178-044-J1	122-890-J1

Model	GU 111.T	GU 111
Features	2 slide-out spill pallets	2 slide-out spill pallets
External dimensions W x D x H [mm]	1102 x 502 x 600	1102 x 574 x 600
Internal dimensions W x D x H [mm]	979 x 382 x 502	979 x 452 x 502
Slide-out spill pallet load capacity [kg]	50	25
Weight [kg]	207	226
Order number Type 90	178-046-J1	116-998-J1
Order number Type 30	—	141-917-J1

Recirculating air filter

The recirculating air filter is able to retain more than 99.999% Of solvent vapours (hydrocarbons) permanently until the filter is saturated.



Order no. 210-544-J1

The recirculating air filter is designed for the pressure and flow required for underbench cabinets. It is attached in a housing unit (W 420, D 615 mm) directly to the underbench cabinet. Suitable for models with height 600 mm + mobile base and depth 574 mm

Ventilation attachments

The ventilation attachments for wall-mounted base cabinets intercept vapours and gases released at their point of escape or emergence

Ventilation attachment with monitoring,
Order no. 210-548-J1

Ventilation attachment with monitoring and alarm contact,
Order no. 210-549-J1





Model 90 90 minute fire protection
Tested in accordance with EN 14470-1

Model 30 30 minute fire protection
Tested in accordance with EN 14470-1

DENIOS warranty 5 years

Fire-rated hazardous material cabinets

1

NEW



Safety-tested

BS EN CE

Model	GU 60_H8
Features	1 slide-out spill tray
External dimensions W x D x H [mm]	593 x 600 x 800
Internal dimensions W x D x H [mm]	470 x 482 x 702
Slide-out spill pallet load capacity [kg]	50
Weight [kg]	159
Order number Type 90	235-882-J1

Accessories: a second pull-out draw or shelf creates further storage space



- Equipped with air extraction connection (NW 50) on the rear
- Locked by cylinder lock, lock indicator (red/green)
- Powder coated outer body in RAL 7035 (light grey), fine steel sheet
- Tested for long life: 50,000 wear-free open/close operations
- Spill pallet welded watertight in accordance with Stawa-R

Model	GU 110.T	GU 110
Features	1 slide-out spill tray	1 slide-out spill tray
External dimensions W x D x H [mm]	1102 x 502 x 600	1102 x 574 x 600
Internal dimensions W x D x H [mm]	979 x 382 x 502	979 x 452 x 502
Slide-out spill pallet load capacity [kg]	50	50
Weight [kg]	201	221
Order number Type 90	178-045-J1	116-993-J1
Order number Type 30	—	141-916-J1



Image incl. optional base frame



NEW



Model	GU 112.T	GU 112
Features	1 floor spill tray	1 floor spill tray
External dimensions W x D x H [mm]	1102 x 502 x 600	1102 x 574 x 600
Internal dimensions W x D x H [mm]	979 x 382 x 502	979 x 452 x 502
Weight [kg]	210	231
Order number Type 90	178-047-J1	116-999-J1
Order number Type 30	—	141-918-J1

Model	GU 110_H8
Features	2 slide-out spill pallets
External dimensions W x D x H [mm]	1102 x 600 x 800
Internal dimensions W x D x H [mm]	979 x 482 x 702
Slide-out spill pallet load capacity [kg]	50
Weight [kg]	247
Order number Type 90	235-881-J1

Model	GU 140.T	GU 140
Features	2 slide-out spill pallets	2 slide-out spill pallets
External dimensions W x D x H [mm]	1402 x 502 x 600	1402 x 574 x 600
Internal dimensions W x D x H [mm]	1279 x 382 x 502	1279 x 452 x 502
Slide-out spill pallet load capacity [kg]	50	50
Weight [kg]	205	230
Order number Type 90	178-048-J1	116-995-J1
Order number Type 30	—	141-919-J1

Base frame with castors, height 30 mm, for width 593 mm, Order no. 133-465-J1
Base frame with castors, height 30 mm, for width 893 mm, Order no. 133-466-J1
Base frame with castors, height 30 mm, for width 1102 mm, Order no. 133-467-J1
Base frame with castors, height 30 mm, for width 1402 mm, Order no. 133-471-J1



Expert advice and Order line: **01952 811 991**

Further information and prices can be given on the telephone.

DENIOS

175



Fire-rated hazardous materials cabinet for storing drums

Save long journeys on site and store your large containers and 205 litre drums in convenient hazardous materials cabinets. With the optional transport base, the unit can be accessed underneath in case it needs to be relocated. Stawa-R certified spill pallets ensure any leaked liquids are safely contained.



- For the legally compliant storage of large quantities of flammable liquids
- Tested as type 90 in accordance with the regulations of EN 14470-1
- Ready for connection to an air extraction system (DN 75), connection point in roof
- Air inlet and outlet openings are self-closing in the event of a fire
- High-quality powder coating in RAL 7035, light grey



Earthing connection inside and outside the rear wall for safety when dispensing. Inside with earthing cable including clip.

Drum cabinet VbF 90.2
Including shelf

Order no. 117-044-J1

Order at the same time

Recirculating air filter set for VbF drum cabinet, with multi-level filter system Connecting cable and power plug, see accessories table



Order no. 213-279-J1

ATEX-compliant: Ex II 3/- G Ex ic nA IIB T4 Gc.
For extraction from Zone 1 please use technical ventilation item 116941 and/or let us advise you.

Model	VbF 90.1	VbF 90.2	VbF 90.2	VbF 90.2-K
Features	1 spill pallet incl. grid	1 spill pallet incl. grid	1 spill pallet incl. grid, 1 shelf	1 shelf for small parts storage
External dimensions W x D x H [mm]	1105 x 1018 x 2224	1555 x 1018 x 2224	1555 x 1018 x 2224	1555 x 1018 x 2224
Internal dimensions W x D x H [mm]	936 x 864 x 1890	1386 x 864 x 1890	1386 x 864 x 1890	1386 x 864 x 1890
Storage capacity (container)	drum storage	drum storage	drum storage	Small container
Sump capacity [l]	220	220	220	80
Spill pallet load capacity [kg]	850	850	850	—
Shelf load capacity [kg]*	—	—	75	200
Weight [kg]	806	1021	1108	1100
Order number	117-038-J1	117-041-J1	117-044-J1	136-797-J1

*For model VbF 90.2-K the load information relates to the shelves

Accessories	Order number
Base shelf for model VbF 90.1	117-040-J1
Base shelf for model VbF 90.2	117-043-J1
Base shelf for model VbF 90.2-K	170-660-J1
Radial fan, non-explosion-proof	116-943-J1
Technical ventilation, with explosion protection	116-941-J1
Recirculating air filter set for VbF drum cabinet	213-279-J1
Ventilation fitting for drum cabinets with monitoring and alarm	251-167-J1
Accessible base for cabinet width 1105 mm	158-140-J1
Accessible base for cabinet width 1555 mm	158-142-J1

Order at the same time

The drum cabinets can be fitted with an accessible base (ground clearance 100 mm) Easier, safer cabinet transport





Model 90

90 minute fire protection

Tested in accordance with EN 14470-1

All drums are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty5
yearsFire-rated hazardous
material cabinets

1

Drum cabinet model VbF 90.1
(Shelf optional)

Order no. 117-038-J1

Drum cabinet, model VbF 902-K with
storage shelf for small containers

Order no. 136-797-J1

The VbF drum cabinet 90.2-K includes a shelf
with 3 adjustable levels to store small containers,
as standard. Shelf measurements W x D x H
(mm): approx. 1355 x 600 x 1820.

Safety-tested

BS EN CE

Type SK drum clamp

**205 litre drums are most easily loaded
with a forklift and the SK-S drum clamp.**

- With adjustable, automatically closing drum clamp to grasp and firmly hold the drum
- Secure grip even for different sizes of drum
- Tested and suitable for use in EX zones: IIB T4 Zone 1

Drum clamp Model SK, tested and suitable for use in
Ex Zones, Order no. 212-869-J1

Order no. 117-041-J1

Drum cabinet model VbF 90.2

EXPERTISE

EXPERT ADVICE

SERVICE

3 STEPS TO THE RIGHT HAZARDOUS MATERIALS STORE.

1 Which substances do you want to store?

The right material is crucial when choosing a hazardous materials store. This ensures that optimum resistance against the stored media can be guaranteed. Hazmat depots and technical room systems with steel spill pallets are suitable for the storage of water-polluting and flammable substances (such as oils and paints). When storing aggressive chemicals, for example acids or alkalis, a hazmat depot in plastic or technical room systems with spill pallet liners in plastic or stainless steel are appropriate.

2 What quantities do you want to store?

DENIOS offers storage solutions in all sizes: depending on whether you want to store small containers, 60 or 205 litre drums, 1000 litre IBCs or various containers together.

Hazmat depots

Storage of small
containers,
up to 8 drums or 2 IBCs



From page
180

Walk-in room systems

Storage of small
containers and drums



From page
218

Compact room systems

Storage of small
containers,
up to 8 drums or 2 IBCs



From page
226

From page
246

Room systems with shelving

Storage of drums and
IBCs in larger quantities



From page
230

From page
250

3 What containment volume is needed?

As a rule of thumb, a spill pallet must be able to contain at least 10% of the total stored volume, but at least the contents of the largest stored container. In as far as the storage of water-polluting substances is permitted in water protection areas, a spill pallet in this case must be able to contain 100% of the total stored volume. Different regulations apply if the quantity stored exceeds 100 m³ (see AwSV).

DENIOS
onlineshop



Your ideal product is just a
few clicks away!

[www.denios.co.uk/
hazardous-materials-
storage](http://www.denios.co.uk/hazardous-materials-storage)





§ The DENIOS Hazmat manual

The DENIOS Key Facts of the British Health & Safety Legislation 2020 is an essential source of knowledge for hazardous materials storage and legislation that governs it. This handy guide covers DSEAR, BS EN 14470-1, Ventilation and more.

Order your FREE copy today!



Order no. 188-294-J1

🗨️ We would be pleased to provide you with advice!

Do you need advice on storing hazardous substances? Our expert team would be happy to help.

☎️ 01952 811 991

On-site advice

We will be happy to offer detailed, personalised advice at your premises.



If required, we can offer on-site advice and use our DENIOS developed software, the Variant Configurator, to create a storage solution especially for your needs.

**Polysafe-Depot Model D1, for 1 x 205 litre drum and small containers**

- For the safe storage of substances in all water-polluting classes and aggressive chemicals
- Corrosion free, weather resistant and stable
- Manufactured from polyethylene (PE)
- Optionally available with doors or space-saving roller shutters
- Versions available with integrated shelf system for flexible storage of small containers

NEW

PolySafe Depot Model D1 with doors, for storing 1 x 205 litre drum
Order no. 271-829-J1

Optionally available: PE half pallet for 1 x 205 litre drum,
Order no. 273-241-J1



PolySafe Depot Model D1 with doors and
integrated plastic shelving unit,
Order no. 271-831-J1



PolySafe Depot Model D1 with doors and
integrated steel shelving unit,
Order no. 271-830-J1



Door version	hinged door		hinged door	
Storage capacity	205 litre drums		Small container	
Number	1		—	
Included in delivery	Without shelf	With steel shelving unit: shelf dimensions W x D (mm) 900 x 800, shelf load 250 kg, 3 storage levels adjustable in increments of 25 mm	With plastic shelving unit: shelf dimensions W x D (mm) 900 x 590, shelf load 180 kg, 3 storage levels adjustable in increments of 100 mm	
External dimensions W x D x H [mm]	1140 x 1050 x 2060		1140 x 1050 x 2060	
Internal dimensions W x D x H [mm]	975 x 910 x 1500		975 x 910 x 1500	
Sump capacity [l]	270		270	
Overall load capacity [kg]	400		400	
Order number	271-829-J1		271-830-J1	
Accessories	Mounting set		Mounting set	
Order number	212-607-J1		212-607-J1	



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

- High resistance against oils, acids and alkali
- With integrated spill pallet
- Rainwater is channelled to the rear
- Integral pocket for access underneath
- Ready for anchoring to the ground (anchor kit optional)
- The PolySafe depot is supplied ready assembled



PolySafe Depot Model D1 with roller shutter and integrated plastic shelving unit, Order no. 271-834-J1



PolySafe Depot Model D1 with roller shutter and integrated steel shelving unit, Order no. 271-833-J1

NEW



PolySafe depot Model D1 with roller shutter, for storing 1 x 205 litre drum, Order no. 271-832-J1

Optionally available: PE half pallet for 1 x 205 litre drum, Order no. 273-241-J1



Door version	Roller shutter	Roller shutter	Roller shutter
Storage capacity	205 litre drums	Small container	Small container
Number	1	—	—
Included in delivery	Without shelf	With steel shelving unit: shelf dimensions W x D (mm) 900 x 800, shelf load 250 kg, 3 storage levels adjustable in increments of 25 mm	With plastic shelving unit: shelf dimensions W x D (mm) 900 x 590, shelf load 180 kg, 3 storage levels adjustable in increments of 100 mm
External dimensions W x D x H [mm]	1140 x 1050 x 2060	1140 x 1050 x 2060	1140 x 1050 x 2060
Internal dimensions W x D x H [mm]	975 x 910 x 1500	975 x 910 x 1500	975 x 910 x 1500
Containment volume [L]	270	270	270
Overall load capacity [kg]	400	400	400
Order number	271-832-J1	271-833-J1	271-834-J1
Accessories	Mounting set	Mounting set	Mounting set
Order number	212-607-J1	212-607-J1	212-607-J1



PolySafe depot Model D, for 2 x 205 litre drums and small containers

- For the safe storage of substances in all water-polluting classes and aggressive chemicals
- Corrosion free, weather resistant and stable
- Manufactured from polyethylene (PE)
- Optionally available with doors or space-saving roller shutters
- Versions available with integrated shelf system for flexible storage of small containers



PolySafe depot model D, for storing up to 2 x 205 litre drums on a Euro pallet, Order no. 211-945-J1

If you want to store individual drums or small containers directly, an additional PE grid is needed, Order no. 211-991-J1



Polysafe-depot model DL, for storing up to 2 x 205 litre drums one behind the other on a Euro pallet, Order no. 240-861-J1



PolySafe Depot Type D with doors and integrated steel shelf system, Order no. 218-998-J1



PolySafe depot Model D with doors and integral plastic shelf system, Order no. 265-939-J1



Door version	hinged door	hinged door	hinged door	hinged door
Storage capacity	205 litre drums	205 litre drums	Small container	Small container
Number	2	2	—	—
Included in delivery	Without shelf	Without shelf	With steel shelving unit: shelf dimensions W x D (mm) 1300 x 800, shelf load 250 kg, 3 storage levels adjustable in increments of 25 mm	With plastic shelving unit: shelf dimensions W x D (mm) 1300 x 590, shelf load 180 kg, 3 storage levels adjustable in increments of 100 mm
External dimensions W x D x H [mm]	1560 x 1080 x 1980	1140 x 1410 x 1980	1560 x 1080 x 1980	1560 x 1080 x 1980
Internal dimensions W x D x H [mm]	1370 x 910 x 1500	975 x 1315 x 1500	1370 x 910 x 1500	1370 x 910 x 1500
Sump capacity [l]	288	240	288	288
Overall load capacity [kg]	800	800	800	800
Order number	211-945-J1	240-861-J1	218-998-J1	265-939-J1
Accessories	Mounting set	Mounting set	Mounting set	Mounting set
Order number	212-607-J1	212-607-J1	212-607-J1	212-607-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Bunded drum cabinets

1

- High resistance against oils, acids and alkali
- With integrated spill pallet
- Rainwater is channelled to the rear
- Integral pocket for access underneath
- Ready for anchoring to the ground (anchor kit optional)
- The PolySafe depot is supplied ready assembled



PolySafe Depot Model D with roller shutter and integrated steel shelving unit, Order no. 271-836-J1



PolySafe Depot Model D with roller shutter and integrated plastic shelving unit, Order no. 271-837-J1

NEW



PolySafe Depot Model D with roller shutter, for storing up to 2 x 205 litre drums on a Euro pallet, Order no. 271-835-J1

If you want to store individual drums or small containers directly, an additional PE grid is needed, Order no. 211-991-J1



Door version	Roller shutter	Roller shutter	Roller shutter
Storage capacity	205 litre drums	Small container	Small container
Number	2	—	—
Included in delivery	Without shelf	With steel shelving unit: shelf dimensions W x D (mm) 1300 x 800, shelf load 250 kg, 3 storage levels adjustable in increments of 25 mm	With plastic shelving unit: shelf dimensions W x D (mm) 1300 x 590, shelf load 180 kg, 3 storage levels adjustable in increments of 100 mm
External dimensions W x D x H [mm]	1554 x 1083 x 1980	1554 x 1083 x 1980	1554 x 1083 x 1980
Internal dimensions W x D x H [mm]	1370 x 910 x 1500	1370 x 910 x 1500	1370 x 910 x 1500
Sump capacity [l]	288	288	288
Overall load capacity [kg]	800	800	800
Order number	271-835-J1	271-836-J1	271-837-J1
Accessories	Mounting set	Mounting set	Mounting set
Order number	212-607-J1	212-607-J1	212-607-J1

**PolySafe Depot Model C, for up to 4 x 205 litre drums or 1 x 1000 litre IBC**

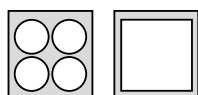
- For the safe storage of substances in all water-polluting classes and aggressive chemicals
- Corrosion free, weather resistant and stable
- Manufactured from polyethylene (PE)

BESTSELLER

PolySafe depot model C, for storing up to 4 x 205 litre drums on a chemical pallet

Safety in detail

The transparent pocket in the door can be used for storing safety data sheets or protective gloves or glasses for example



Door version	hinged door
Storage capacity for 1000 litre IBCs	1
Storage capacity for 205 litre drums	4
External dimensions W x D x H [mm]	1560 x 1550 x 2330
Internal dimensions W x D x H [mm]	1370 x 1330 x 1500
Sump capacity [l]	1150
Overall load capacity [kg]	2000
Order number	211-946-J1
Accessories	Mounting set
Order number	212-607-J1



PolySafe depot model C, with lockable wing door to prevent unauthorised access



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

- High resistance against oils, acids and alkali
- With integrated spill pallet
- Rainwater is channelled to the rear
- Integral pocket for access underneath
- Ready for anchoring to the ground (anchor kit optional)
- The PolySafe depot is supplied ready assembled



PolySafe depot model C, for storing 1 x 1000 litre IBC



PolySafe depot model C, with a generous internal height for safe and efficient loading

**PolySafe Depot Model 2C, for up to 8 x 205 litre drums or 2 x 1000 litre IBCs**

- For the safe storage of substances in all water-polluting classes and aggressive chemicals
- Corrosion free
- Manufactured from polyethylene (PE)



PolySafe depot model 2C,
for storing up to 8 x 205 litre
drums on a chemical pallet



The easy open, practical sliding doors
can be locked to prevent unauthorised
access

**Order at the same time****SpillGuard® hazardous substance leak
warning system**

Order no. 271-433-J1



INNOVATION

See page
420-421

The comfortable internal height of the depot
enables safe loading and unloading



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Bunded drum cabinets

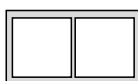
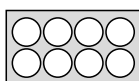
1

- High resistance against oils, acids and alkali
- Housing grey, sliding door blue, lockable
- With integrated spill pallet
- Large internal height for safe, efficient loading with forklift or pallet truck
- Integral pocket for access underneath
- Rainwater is channelled to the rear
- Ready for anchoring to the ground (anchor kit optional)
- The PolySafe depot is supplied ready assembled



PolySafe depot model 2C, with space saving sliding doors

Order no. 227-285-J1



Door version	sliding door
Storage capacity for 1000 litre IBCs	2
Storage capacity for 205 litre drums	8
External dimensions W x D x H [mm]	3200 x 1750 x 2170
Internal dimensions W x D x H [mm]	2980 x 1350 x 1670
Sump capacity [l]	1200
Overall load capacity [kg]	3600
Order number	227-285-J1
Accessories	Mounting set
Order number	212-607-J1



PolySafe depot model 2C, for storing 2 x 1000 litre IBCs



HazMat depot Securo Model SC, for up to 2 x 205 litre drums and small containers

- For the safe storage of substances in all water-polluting classes and for passive storage of flammable liquids
- Interior height is optimised for drums with pumps and funnels fitted
- With optional shelf, can also be used as a small container store

NEW

Hazardous materials depot Securo Model SC-1
with 2 shelves for storing small containers,
Order no. 259-062-J1



Hazardous materials depot Model SC-1 for
1 x 205 litre drum (dispensing pump optional),
Order no. 259-060-J1



Hazardous materials depot Securo Model SC-1 with
1 shelf for storing 2 x 60 litre drums and additional
small containers for example, Order no. 259-061-J1,

FALCON LubriFlex dispensing jugs for clean, easy dosing

See page
464-465



Equipment - shelves	1 grid, galvanised	1 grid, galvanised, 1 shelf, blue	1 grid, galvanised, 2 shelves, blue
Storage capacity	205 litre drums	60 litre drums	Small container
Storage capacity (number)	—	2	—
Number of storage levels	1	2	3
External dimensions W x D x H [mm]	850 x 700 x 2000	850 x 700 x 2000	850 x 700 x 2000
Internal dimensions W x D x H [mm]	740 x 670 x 1410	740 x 670 x 1410	740 x 670 x 1410
Sump capacity	240	240	240
Overall load capacity [kg]	400	400	400
Order number	259-060-J1	259-061-J1	259-062-J1



Accessories	Additional shelf
External dimensions W x D x H [mm]	870 x 680 x 30
Load [kg]	60
Order number	259-066-J1



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Bunded drum cabinets

1

- Sturdy, welded design in galvanised sheet steel, with additional powder coating Body and spill pallet blue (RAL 5010), doors grey (RAL 7042)
- Integral spill pallet with removable galvanised grid as storage surface
- Natural ventilation via ventilation slits in the door area
- Sloping roof for optimum water drainage
- Lockable with cylinder lock for protection against unauthorised access
- 100 mm ground clearance for easy access underneath and simple transport
- Delivered ready to use

NEW



Hazardous materials depot Model Securo SC-2 as a small container store with 4 shelves, Order no. 259-065-J1



All Securo Model SC hazardous materials depots are lockable for protection against unauthorised access.



Hazardous materials depot Securo Model SC-2 with 1 shelf, for storing 1 x 205 litre drum and various small containers, Order no. 259-064-J1



Hazardous materials depot Securo Model SC-2 for 2 x 205 litre drums (dispensing pump optional), Order no. 259-063-J1

Equipment - shelves	2 grids, galvanised	2 grids, galvanised, 1 shelf, blue	2 grids, galvanised, 4 shelves, blue
Storage capacity	205 litre drums	205 litre drums	Small container
Storage capacity (number)	2	1	—
Number of storage levels	1	2	3
External dimensions W x D x H [mm]	1700 x 700 x 1800	1700 x 700 x 1800	1700 x 700 x 1800
Internal dimensions W x D x H [mm]	1590 x 670 x 1410	1590 x 670 x 1410	1590 x 670 x 1410
Sump capacity [l]	250	250	250
Overall load capacity [kg]	800	800	800
Order number	259-063-J1	259-064-J1	259-065-J1



Each version of these sturdy, reliable hazardous materials depots offers protection and safety for container sizes up to 205 litres. as they can be accessed underneath (100 mm floor clearance) there are no problems when transporting them, for example using a forklift.



Order no. 249-909-J1

Hazardous materials depot Model Cubos L-2.2,
painted blue, for up to 2 x 205 litre drums

Document storage boxes

- Documents kept ready at hand - visible, protected and clean
- In sturdy polyethylene (PE)



Equipment	Opening at the top	Opening at the front
External dimensions W x D x H [mm]	260 x 57 x 318	333 x 90 x 400
Internal dimensions W x D x H [mm]	222 x 41 x 292	273 x 57 x 337
Order number	251-284-J1	251-286-J1

- ① Central locking mechanism For doors and cover
- ② Gas struts make the cover easy to open and close
- ③ With natural ventilation (0.4 Times air exchange) for legally-compliant passive storage of flammable liquids
- ④ Removable galvanised grid, hole size 40 x 30 mm
- ⑤ Approved spill pallet in sturdy 3 mm sheet steel, welded watertight seams
- ⑥ 100 mm floor clearance ensures optimum access underneath



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Bunded drum cabinets

1

Hazardous material depots model Cubos L



For 2 drums

- Sturdy sheet steel construction with attractive design
- Designed for storing 2 x 205 litre drums
- For the storage of substances in all water-polluting classes and for passive storage of flammable liquids
- Drum storage direct on the grid or on Euro pallet
- Enclosed construction with gas strut roof support and 2 wing doors at the front

- Cover and doors can be opened separately
- Optimum access with 120° front door opening
- Protection against unauthorised access with central locking mechanism and security lock
- With natural ventilation (0.4 Times air exchange)
- Sealed, watertight sump in up to 3mm thick sheet steel



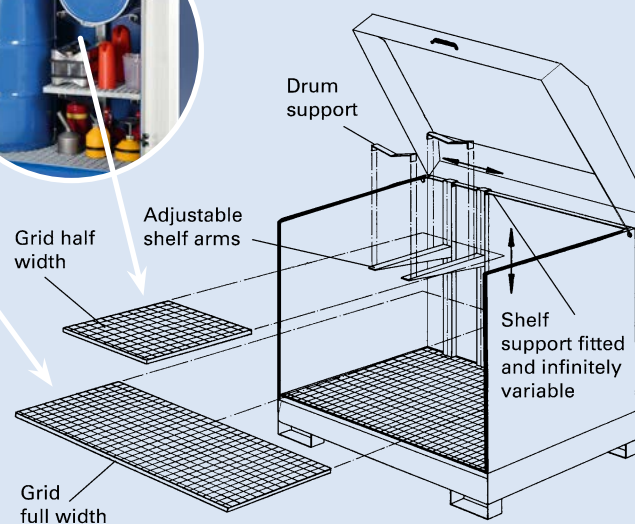
Shelving allows flexibility to suit your company requirements, e.g. storage of small containers and 60 litre drums in the hazardous materials depot

Storage capacity for 205 litre drums	2
Model	L-2.2
External dimensions W x D x H [mm]	1425 x 960 x 1540
Open height [mm]	1970
Sump capacity [l]	268
Overall load capacity [kg]	815
Order number Blue	249-909-J1

Select your ideal shelving arrangement here



Accessories	Order number
Grid, full width, for inserting on to shelf cross members	101-114-J1
Grid, half width, for inserting on to shelf cross members	101-115-J1
Drum support, 60 litre, for inserting on to shelf cross members	114-546-J1
1 pair shelf pins for Models L-2.2, L-4.2, L-4.4, for fitting shelving cross members	241-034-J1
1 pair shelf cross members, for inserting grids / drum rails	114-545-J1



Sketch without doors



Each version of these sturdy, reliable hazardous materials depots offers protection and safety for container sizes up to 205 litres. as they can be accessed underneath (100 mm floor clearance) there are no problems when transporting them, for example using a forklift.

Order at the same time

SpillGuard® hazardous substance leak warning system

Order no. 271-433-J1



INNOVATION

See page
420-421



Hazardous materials depot Model Cubos L-4.2,
painted blue, for up to 4 x 205 litre drums

Order no. 249-911-J1

- | | |
|--|---|
| ① Central locking mechanism For doors and cover | ④ Removable galvanised grid, hole size 40 x 30 mm |
| ② Gas struts make the cover easy to open and close | ⑤ Approved spill pallet in sturdy 3 mm sheet steel, welded watertight seams |
| ③ With natural ventilation (0.4 Times air exchange) for legally-compliant passive storage of flammable liquids | ⑥ 100 mm floor clearance ensures optimum access underneath |



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Hazardous material depots model Cubos L



For 4 drums

- Sturdy sheet steel construction with attractive design
- Designed for storing 4 x 205 litre drums
- For the storage of substances in all water-polluting classes and for passive storage of flammable liquids
- Drum storage direct on the grid or on chemical pallet
- Enclosed construction with gas strut roof support and 2 wing doors at the front
- Cover and doors can be opened separately
- Optimum access with 120° front door opening
- Protection against unauthorised access with central locking mechanism and security lock
- With natural ventilation (0.4 Times air exchange)
- Sealed, watertight sump in up to 3mm thick sheet steel



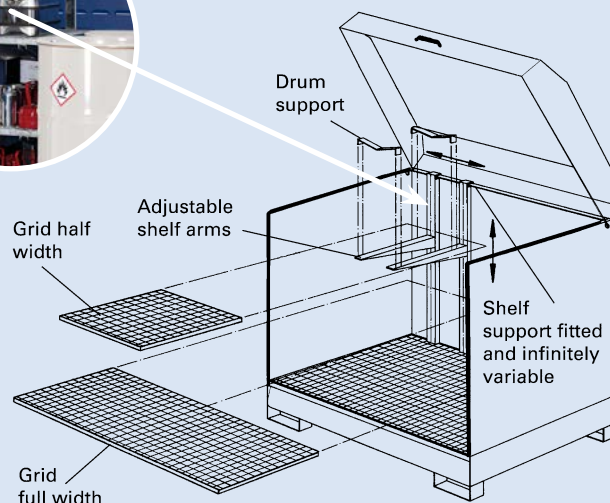
Storage capacity for 205 litre drums	4	4
Model	L-4.2	L-4.4
External dimensions W x D x H [mm]	1425 x 1350 x 1480	1425 x 1350 x 1610
Open height [mm]	2100	2225
Sump capacity [l]	268	445
Overall load capacity [kg]	1215	1215
Order number Blue	249-911-J1	249-912-J1

Can be adapted to suit your company requirements. Here for example with shelf for storing small containers

Select your ideal shelving arrangement here



Accessories	Order number
Grid, full width, for inserting on to shelf cross members	101-114-J1
Grid, half width, for inserting on to shelf cross members	101-115-J1
Drum support, 60 litre, for inserting on to shelf cross members	114-546-J1
1 pair shelf pins for Models L-2.2, L-4.2, L-4.4, for fitting shelving cross members	241-034-J1
1 pair shelf cross members, for inserting grids / drum rails	114-545-J1



Sketch without doors



The stable construction and generous loading space guarantee safe, efficient loading and unloading of this hazardous materials storage depot.



Hazardous materials depot Model Cubos XL-2.2,
painted blue, for up to 2 x 205 litre drums

- | | |
|--|---|
| ① Central door locking mechanism | ④ Removable galvanised grid, hole size 40 x 30 mm |
| ② Generous internal height 1445 mm - for safe handling | ⑤ Approved spill pallet in sturdy 3 mm sheet steel, welded watertight seams |
| ③ With natural ventilation (0.4 Times air exchange) for legally-compliant passive storage of flammable liquids | ⑥ 100 mm floor clearance ensures optimum access underneath |



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Hazardous material depot model Cubos XL, with roomy interior height



For 2 drums

- Sturdy sheet steel construction with attractive design
- Designed for storing 2 x 205 litre drums
- For the storage of substances in all water-polluting classes and for passive storage of flammable liquids
- Drum storage direct on the grid or on Euro pallet
- Interior height 1500 mm - for safe handling for example with pumps or filling funnels
- Optimum access with 120° front door opening
- Protection against unauthorised access with central locking mechanism and security lock
- With natural ventilation (0.4 Times air exchange)
- Sealed, watertight sump in up to 3mm thick sheet steel
- Removable, galvanised grid
- 100 mm ground clearance ensures access for transport vehicles



Do you need to fill drums directly? Then choose the Cubos XL hazardous materials depot. With an internal height of 1500 mm, there's plenty of space for safe handling using pumps or funnels.



Storage capacity for 205 litre drums	2
Model	XL-2.2
External dimensions W x D x H [mm]	1425 x 960 x 1870
Internal height [mm]	1445
Sump capacity [l]	240
Overall load capacity [kg]	815
Order number Blue	249-913-J1

Order at the same time

Use our wide range of accessories to optimise your operations.



Oil drum pump in die cast zinc,
Order no. 117-563-J1



Plastic jug, 1 litre,
Order no. 117-408-J1



Funnel GP 2 on a 205 litre steel drum,
Order no. 240-013-J1



The stable construction and generous loading space guarantee safe, efficient loading and unloading of this hazardous materials storage depot.



Order no. 249-914-J1

Hazardous materials depot Model Cubos XL-4.2, painted blue, for up to 4 x 205 litre drums

- | | |
|--|---|
| ① Central door locking mechanism | ④ Removable galvanised grid, hole size 40 x 30 mm |
| ② Generous internal height 1445 mm - for safe handling | ⑤ Approved spill pallet in sturdy 3 mm sheet steel, welded watertight seams |
| ③ With natural ventilation (0.4 Times air exchange) for legally-compliant passive storage of flammable liquids | ⑥ 100 mm floor clearance ensures optimum access underneath |



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

DENIOS
warranty

5
years

Hazardous material depot model Cubos XL, with roomy interior height



For 4 drums

- **Sturdy sheet steel construction with attractive design**
- **Designed for storing 4 x 205 litre drums**
- For the storage of substances in all water-polluting classes and for passive storage of flammable liquids
- Drum storage direct on the grid or on chemical pallet
- Interior height 1500 mm - for safe handling for example with pumps or filling funnels
- Optimum access with 120° front door opening
- Protection against unauthorised access with central locking mechanism and security lock
- With natural ventilation (0.4 Times air exchange)
- Sealed, watertight sump in up to 3mm thick sheet steel
- Removable, galvanised grid
- 100 mm ground clearance ensures access for transport vehicles



Storage capacity for 205 litre drums	4	4
Model	XL-4.2	XL-4.4
External dimensions W x D x H [mm]	1425 x 1350 x 1810	1425 x 1350 x 1930
Internal height [mm]	1445	1445
Sump capacity [l]	260	445
Overall load capacity [kg]	1215	1215
Order number Blue	249-914-J1	249-915-J1

Do you need to fill drums directly? Then choose the Cubos XL hazardous materials depot. With an internal height of 1500 mm, there's plenty of space for safe handling using pumps or funnels.



Regular operations such as pumping and dispensing non-flammable liquids can be carried out directly in the roomy Cubos Model XL hazardous materials depot.

Order at the same time

Use our wide range of accessories to optimise your operations.



Oil drum pump in die cast zinc,
Order no. 117-563-J1



Plastic jug, 1 litre,
Order no. 117-408-J1



Funnel GP 2 on a 205 litre steel drum,
Order no. 240-013-J1

**Model gst-ks, with steel lid,
for up to 4 x 205 litre drums**

- For storing flammable liquids
- Lockable, gas spring supported steel lid with t-handle

Hazardous material station type 2 GST-KS,
painted, for up to 2 x 205 litre drums

Order no. 114-643-J1

Storage capacity for 205 litre drums	2	4	4
Model	2 GST-KS	4 GST-KS	4 GST-KS-V50
External dimensions W x D x H [mm]	1400 x 945 x 1520	1400 x 1370 x 1460	1400 x 1370 x 1590
Open height [mm]	2250	2500	2640
Sump capacity [l]	240	268	465
Overall load capacity [kg]	935	1400	1400
Order number painted	114-643-J1	114-660-J1	178-423-J1
Order number galvanized	114-508-J1	114-518-J1	178-424-J1

SET PRICE

Order no. 122-726-J1



Hazardous material depot model 2 GST-KS,
galvanised with shelf for small containers

SET PRICE

Order no. 122-724-J1



Hazardous material depot model 2 GST-KS,
galvanised, shelf with 1 x grid across entire width,
for small containers and 60 litre drums

Order no. 114-508-J1



Hazardous material depot model 2 GST-KS,
galvanised for 2 x 205 litre drums



All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

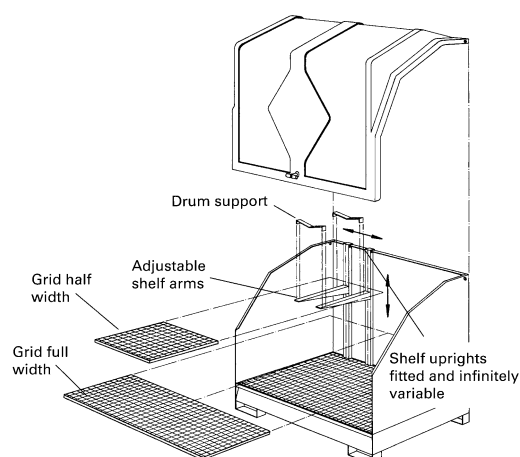
DENIOS
warranty

5
years

Bunded drum cabinets

1

- Welded design with integral spill pallet in steel
- Splashguard walls on 3 sides
- Removable hot dip galvanised grids as a stable standing surface
- Natural ventilation is achieved by a slit on 3 sides
- Varied combinations of standing and horizontal storage are possible with additional shelves
- 100 mm ground clearance for easy transport with pallet truck or forklift



Hazardous material depot model
4 GST-KS, painted, 200 litre
containment volume

Order no. 114-660-J1



Select your ideal shelving arrangement here

Accessories	Order number
Grid, full width, for inserting on to shelf cross members	101-114-J1
Grid, half width, for inserting on to shelf cross members	101-115-J1
Drum support, 60 litre, for inserting on to shelf cross members	114-546-J1
1 pair shelf pins for inserting shelf cross members	114-544-J1
1 pair shelf cross members, for inserting grids / drum rails	114-545-J1

Order no. 178-423-J1



Hazardous materials depot Model 4 GST-KS,
painted, 400 litre containment volume.

SET PRICE

Order no. 122-727-J1



Enclosed sump pallet 4 GST-KS, painted, for two vertical 205 ltr drums,
with shelf for small containers and one horizontal 60 ltr drum,
Order no. 122-727-J1

Drum trolleys

From page
346



Hazardous material depot model 4 GST-KS-V50,
painted, for 2x 205 litre drums, standing, with
shelf for small containers and one horizontal
60 litre drum, 400 litre containment volume,
Order no. 178-431-J1



Environmental container Model UC

- Container system for use at various locations
- Can be transported with a crane or forklift
- Roof in fully welded steel tube framework
- Walls and roof covered with profile sheet
- 2-wing door on the short side of the container, each with a locking rod, lockable
- Max. Door opening angle 270°
- With crane eyes and forklift pockets as standard
- Supplied ready assembled



More spill pallets

See page
34



Model UC-W with integral spill pallet

- For the storage of water-polluting substances
- Integral spill pallet in steel
- Water tight in accordance with EN ISO 3452-1, test certificate supplied
- Removable hot dip galvanised grids as a stable standing surface

Environmental container model UC-W 230
 with integral spill pallet (shelving optional),
 Order no. 115-842-J1



Environmental container Model UC-H 260-K with wooden floor
 (shelving and spill trays optional), Order no. 115-688-J1

Model UC-H with wooden floor

- For storing machinery and materials
- Base is a fully welded frame in steel profiles and 30 mm thick floorboards
- By using spill pallets, parts of the container can be used for storing water-polluting substances

Order at the same time

**Base shelving, 1000 x 625 mm
 with 4 height adjustable shelves,**

**load capacity of shelf:
 135 kg basic shelf unit**

Basic shelf

On request

**Order no.
 199-659-J1**

Extension shelf

On request

**Order no.
 199-660-J1**

Model	UC-H 230	UC-H 260-K	UC-W 230	UC-W 260-K
Features	With wooden flooring	With wooden flooring	With spill pallet	With spill pallet
External dimensions W x D x H [mm]	2438 x 2991 x 2590	2438 x 6058 x 2590	2438 x 2991 x 2590	2438 x 6058 x 2590
Containment volume [L]	—	—	1 x 300	2 x 300
Weight [kg]	825	1270	940	1500
Overall load capacity [kg]	10000	10000	10000	10000
Order number	115-687-J1	115-688-J1	115-842-J1	115-843-J1
Price	On request	On request	On request	On request



Material container Model MC as a store for industrial and trade applications

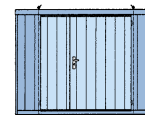
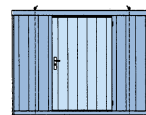
- Robust hot dip galvanised steel sheet construction
- High load capacity roof (125 kg / m²)
- Wooden floor with worktop (OSB)
- Easy to assemble in 30 minutes
- Access height 95 mm
- Crane eyes / drawbars available as an optional accessory for mobility (for transport when empty)



Material container model MC 320 either with 1 or 2-wing door. (Shelf optional)



Material container model MC 320, galvanised. (Shelf optional)



Model	MC 320 / T1		MC 320 / T2	
Door design	1-wing		2 wing doors	
External dimensions W x D x H [mm]	2985 x 2350 x 2196	2985 x 2350 x 2196	2985 x 2350 x 2196	2985 x 2350 x 2196
Surface	galvanized	galvanized / painted	galvanized	galvanized / painted
Weight [kg]	410	410	410	410
Overall load capacity [kg]	3120	3120	3120	3120
Delivery	Flat pack	Assembled	Flat pack	Assembled
Order number	194-981-J1	115-684-J1	194-982-J1	115-685-J1
Price	On request	On request	On request	On request
Accessories				
Order number Set of four crane eyes / drawbars	198-388-J1	198-388-J1	198-388-J1	198-388-J1
Price	On request	On request	On request	On request

Order at the same time

Built in shelving

Connectable shelving system with 3 shelf levels in 2 sizes:



- 1000 x 500 mm, load capacity 75 kg/shelf
- 2000 x 500 mm, load capacity 120 kg/shelf

On request

Order no.
135-063-J1

On request

Order no.
135-064-J1



If small quantities of hazardous substances are also to be stored in the component container, we recommend the use of our spill trays.



Tool hanger, for 5 tools with handles,
Order no. 115-674-J1, On request



Hose and cable suspension,
Order no. 115-677-J1, On request



Light metal sliding window, 750 x 850 mm, internal 2-point lock to prevent break-in,
Order no. 115-673-J1, On request



Ramp for component container sited flat on the ground,
Order no. 115-681-J1, On request

Gas cylinder cabinets model LG

- For outdoor use
- Gas cylinders can be emptied and stored in accordance with TRG 280
- Effective ventilation and exhaust
- Galvanised design with additional powder coating in light grey (RAL 7035) to give optimum corrosion protection
- Cabinet base in stainless steel
- Roof slopes forward to prevent water ingress at the rear and soiling of the building wall
- Robust 3 point locking mechanism with pivot lever and integral cylinder lock prevents theft and unauthorised access
- 2 C rails for mounting fittings (fittings not included)
- 3 break-through points (sealed with plastic bungs) per cylinder location in the cabinet roof



Order no. 158-049-J1

Gas cylinder cabinet model LG 700 for up to 2 cylinders (without mountings)



Gas cylinder cabinet model LG 1350 for up to 5 cylinders (without mountings and flap),
Order no. 158-053-J1

Model	LG 700	LG 1000	LG 1350
Storage capacity for 50 litre gas cylinders	2	3	5
External dimensions W x D x H [mm]	700 x 400 x 2150	1000 x 400 x 2150	1350 x 400 x 2150
Internal dimensions W x D x H [mm]	695 x 370 x 2070	995 x 370 x 2070	1345 x 370 x 2070
Door design	1-wing	2 wing doors	2 wing doors
Order number	158-049-J1	158-051-J1	158-053-J1
Accessories			
Order number Roll up flap	158-054-J1	158-055-J1	158-056-J1
Order number Cylinder holder, height adjustable	117-059-J1	117-059-J1	117-059-J1

Order at the same time



Access ramp folds inward, for easy loading and unloading of gas cylinders



Cylinder holder, height adjustable, for hanging on the side wall. Small gas cylinders can also be stored in a practical manner

Gas cylinder cabinets model GF

- For outdoor use
- Meets the requirements of TRGS 510
- Sturdy construction composed of a steel frame and mesh
- Lockable wing door for protection against unauthorised access
- High quality surface finish for optimum corrosion protection
- Model GF 8.16: 1-Wing door, folding shelf for storing propane gas cylinders above each other for example, shelf supplied as standard
- Model GF 8.18: 2-Wing door, shelf optional
- Model GF 8.19: 2-Wing door, integral foot design for optimal access underneath, shelf optional



Gas cylinder cabinet Model GF 8.16 with shelf folded down as additional storage for 11 kg cylinders, 1-wing door



Gas cylinder cabinet Model GF 8.16 with folded up shelf for 33 kg cylinders, 1-wing door



Gas bottle cage GF 8.18 For 33 kg bottles, 2 wing doors, Order no. 137-123-J1



Gas bottle cage GF 8.19, 2 Wing doors, optional shelf, Order no. 137-125-J1



Model	GF 8.16	GF 8.18	GF 8.19
Storage capacity for 11 kg gas cylinders	12	8	8
Storage capacity alternative - for 33 kg gas cylinders	6	6	6
External dimensions W x D x H [mm]	790 x 1180 x 1670	1250 x 800 x 1850	1250 x 800 x 1970
Door design	1-wing	2 wing doors	2 wing doors
Features	Flat shelf	—	Accessible underneath
Order number	137-112-J1	137-123-J1	137-125-J1
Accessories	—	Inliner for 11 kg gas cylinders, galvanized	Inliner for 11 kg gas cylinders, galvanized
Order number	—	137-126-J1	137-126-J1

Steel gas cylinder trolley BK-60, rubber wheels, wheel Ø 200 mm

Order no. 115-243-J1



Gas cylinder cabinets, model DGF

- For outdoor use
- Effective ventilation and exhaust
- Pressurised gas cylinders can be emptied and stored
- Steel design which is sturdy, weather-resistant and completely hot dip galvanised
- Incl. Safety chain for gas cylinders
- Robust 2 point locking mechanism and handle cylinder lock prevents theft and unauthorised access
- Incl. Mounting profile for attaching various fittings (fittings not included)
- Marking with warning symbol W19
- Delivered flat-pack, with instructions for assembly



Gas cylinder cabinet model DGF 2
(without mountings)

Order no. 116-950-J1



Gas cylinder cabinet model DGF 4
(without mountings)

Order no. 116-952-J1

Model	DGF 1	DGF 2	DGF 3	DGF 4	DGF 5	DGF 6	DGF 7
Storage capacity for 50 litre gas cylinders	1	2	3	4	5	6	7
External dimensions W x D x H [mm]	460 x 400 x 2250	700 x 400 x 2250	1160 x 400 x 2250	1400 x 400 x 2250	1860 x 400 x 2250	2100 x 400 x 2250	2560 x 400 x 2250
Door design	1-wing	1-wing	2 wing doors	2 wing doors	3 wing doors	3 wing doors	4 wing doors
Order number	116-949-J1	116-950-J1	116-951-J1	116-952-J1	116-953-J1	116-954-J1	116-955-J1

FGF gas cylinder cabinets

- For outdoor use
- Entirely hot dip galvanized, sturdy design
- Ideal for storing propane gas cylinders due to shelf fitted as standard
- The cabinet's perforated metal side walls and doors ensure effective ventilation
- Protection against thieves and unauthorised access with handle cylinder lock
- Warning symbol on cabinet
- Delivered flat-pack, with instructions for assembly



Gas cylinder cabinet model FGF 801

Order no. 116-958-J1



Gas cylinder cabinet FGF 1602

Order no. 116-959-J1

Model	FGF 801	FGF 1602
Storage capacity for 11 kg gas cylinders	10	20
Storage capacity alternative - for 33 kg gas cylinders	4	9
External dimensions W x D x H [mm]	840 x 690 x 1485	1680 x 690 x 1485
Door design	1-wing	2 wing doors
Order number Door hinge: left	116-957-J1	—
Order number Door hinge: right	116-958-J1	—
Order number Door hinge: both sides	—	116-959-J1

Gas cylinder cabinet type ST

- Can be installed outdoors
- Entirely hot dip galvanized, sturdy design
- Ideal for storing liquid gas cylinders
- Air vents in the door of the cabinet ensure effective ventilation
- Square lock prevents theft and unauthorised access
- Warning symbol on cabinet
- Delivered flat-pack, with instructions for assembly



Gas cylinder cabinet model ST 10

Order no. 116-960-J1



Gas cylinder cabinet ST 23

Order no. 125-056-J1

Model	ST 10	ST 20	ST 23	ST 40
Storage capacity	11 kg gas cylinders	11 kg gas cylinders	33 kg gas cylinders	33 kg gas cylinders
Number	1	2	2	4
External dimensions W x D x H [mm]	460 x 400 x 750	840 x 400 x 750	840 x 400 x 1485	1680 x 400 x 1485
Door design	1-wing	1-wing	1-wing	2 wing doors
Order number	116-960-J1	116-961-J1	125-056-J1	116-962-J1

EXPERTISE

EXPERT ADVICE

SERVICE

THE EN 14470-2

Safety cabinets for compressed gas cylinders Harmonisation of European legislation has also extended to compressed gas cylinder cabinets. The new Euro regulation EN 14470-2 (enforced on 21/07/2006) replaces the existing DIN 12925-2. Fire resistance will be divided into 4 classifications from G15 to G 90 (fire resistance from 15 to 90 minutes). Each cabinet model and size is subject to a fire chamber test. Testing should be carried out by a recognised materials testing institute. The EN 14470-2 stipulates that a certificate of conformity must be supplied with the product.

Compressed gas cylinders - the most important requirements

Compressed gas cylinders are potentially very dangerous due to their overpressure and content (corrosive, toxic, flammable, oxidizing). Please find an excerpt of the most important regulations on this page.

The storage of gas cylinders outdoors is the most appropriate storage solution but as gas is often used within buildings, DENIOS offer an approved cabinet system for indoor use which meet all current regulations.

Regulations

In addition to the general protective measures, especially the provisions of the TRBS 3145 regulations have to be observed. The former TRG 280 regulation has been replaced by TRBS 3145.

Indoor Stores

Indoor stores are stores in self-contained rooms or rooms which are open on one side. The walls of adjacent buildings and the outside walls of the stores must be designed to be fire-resistant.

Sufficient air input and output of the storage has to be guaranteed (with a ventilation area at least 1% of the bottom area). Other flammable materials may not be stored in the store rooms (e.g. flammable liquids, wood, and paper). (Exception: Separation by a protective wall of a height of more than 2 m).

Outside storage

The building needs to be constructed of substantially non-combustible materials, to avoid a fire threat to the stored cylinders.

If the building has inadequate separation distances from any site boundary or other building, walls on the affected sides need to be built of not less than 30 minutes fire-resisting construction.

Adequate ventilation should be ensured, ideally by means of natural ventilation, with openings onto a safe place in the open air. At least five air changes per hour are needed. Normally, this should be achievable with well-dispersed openings

totalling 2.5% of the total area of the walls and roof using, for example, air bricks at both high and low levels possibly also with metal mesh doors or gates. The openings need to ensure an adequate cross flow of air that can safely disperse any small leaks from cylinder valves.

Mechanical ventilation will be necessary if natural ventilation is inadequate for any reason.

Segregation may be achieved by a distance of at least 3 m or with a minimum of 30 minute fire-resisting wall to a height of 2 meters.

Provision / Emptying

The provision of compressed gas cylinders filled with toxic and flammable gases is only allowed when the protective area has been kept. The BG regulation BGR 120 (former ZH1 / 119) requires the protection from high heat in case of a fire. Otherwise, the cylinders have to be brought into a protected store after work.

Gas cylinder cabinets must consist of non-flammable material. They have to have a ventilation opening in the bottom and the ceiling area of 1/100 of the floor space, or at least 100 cm². The EN 14470-2.

Why G90?

For many years, it has been standard practice to store flammable liquids in 90 minute fire resistant safety cabinets.

Until recently, the operator had a different safety level for storing compressed gas cylinders to storing flammable liquids. The DIN 1295-2 only stipulated that compressed gas cylinders must be protected from extreme heat for up to 20 minutes. Consequently, the 4 classification strategy has given operators the same safety levels to choose from that they had for storing flammable liquids. This is easier to understand and shows that the hazard created by compressed gas cylinders is comparable with flammable liquids. When gas cylinders are exposed to extreme heat, gas can escape from the fittings the cylinders are connected to, which can have devastating effects. Even stronger heat can cause the compressed gas cylinders to explode. Such gas cylinder explosions are destructive.

DENIOS safety cabinets compliant with EN 14470-2

In compliance with international standards, DENIOS offers G90 cabinets, which exceed the DIN 1295-2 standards of yesterday to meet the EN 14470-2 standards of today. Consequently new cabinets tested to DIN 1295-2 standards will also have been tested to EN 14470-2 standards.

Ventilation compliant with DIN EN 14470-2

This new regulation also includes strict regulation on ventilation. Special flammable and toxic gases must be stored in conditions with an air change of up to 120 times.

Key Facts of the British Health & Safety Legislation

The DENIOS Key Facts of the British Health & Safety Legislation 2020 is an essential source of knowledge for hazardous materials storage and legislation that governs it. This handy guide covers DSEAR, BS EN 14470-1, Ventilation and more.

Order your FREE copy today!



[www.denios.co.uk/
regulations](http://www.denios.co.uk/regulations)

Gas cylinder cabinets Model LB

- For outdoor installation
- Available in 5 different sizes, for up to 40 gas cylinders x 11 kg or 16 gas cylinders x 33 kg
- Ideal for storing propane gas cylinders
- Sturdy, welded design in galvanised sheet steel, additional powder coating: body blue (RAL 5010), doors green (RAL 7042)
- Doors and side walls with ventilation openings, rear wall closed
- Includes galvanised grid and removable intermediate shelf as storage areas
- Sloping roof for optimum water drainage
- Lockable with cylinder lock for protection against unauthorised access
- Warning symbol
- Delivered ready assembled

NEW



Gas cylinder cabinet Model LB 8, for storing up to 20 x 11 kg or 8 x 33 kg gas cylinders, Order no. 259-069-J1



Gas cylinder cabinet Model LB 4 for storing up to 10 x 11 kg gas cylinders, Order no. 259-067-J1



Gas cylinder cabinet Model LB 6 for storing up to 6 x 33 kg gas cylinders, Order no. 259-068-J1

Model	LB 4	LB 6	LB 8	LB 12	LB 16
Storage capacity for 11 kg gas cylinders	10	12	20	24	40
Storage capacity alternative - for 33 kg gas cylinders	4	6	8	12	16
External dimensions W x D x H [mm]	850 x 700 x 1500	1100 x 700 x 1500	1700 x 700 x 1500	2200 x 700 x 1500	3400 x 700 x 1500
Door design	1-wing	2 wing doors	2 wing doors	2 x 2-wing	2 x 2-wing
Door hinge	right	both sides	both sides	both sides	both sides
Order number	259-067-J1	259-068-J1	259-069-J1	259-070-J1	259-071-J1

Gas cylinder store Model GSN, for up to 50 gas cylinders

- For the legally compliant storage of gas cylinders
- For outdoor use
- Available either with or without hot dip galvanised base

NEW

Gas cylinder store Model GSN 2.28, without base, especially suited to use with gas cylinder pallets. The door's 160 mm ground clearance enables the gas cylinder store to be locked again even if gas cylinder pallets are open.

Model	GSN 1.15		GSN 2.28	
Storage capacity for 50 litre gas cylinders	25	25	50	50
Features	Without base	With base	Without base	With base
External dimensions W x D x H [mm]	1430 x 1410 x 2210	1430 x 1410 x 2410	2760 x 1410 x 2210	2760 x 1410 x 2410
Internal dimensions W x D x H [mm]	1420 x 1280 x 2110	1420 x 1280 x 2310	2750 x 1280 x 2110	2750 x 1280 x 2310
Door design	1-wing	1-wing	2 wing doors	2 wing doors
Order number	256-859-J1	256-858-J1	256-861-J1	256-860-J1

- Sturdy construction composed of a steel frame and mesh
- Profiled sheet steel roof
- Galvanised with additional powder coating in grey (RAL 7016) for optimum corrosion protection
- Lockable wing door for protection against unauthorised access
- Delivered flat-pack, with instructions for assembly



TRGS 510 (Technical rules for hazardous substances)
Also considered to be outside storage are those with at least 2 sides open.

The storage areas must not be accessible for general traffic.

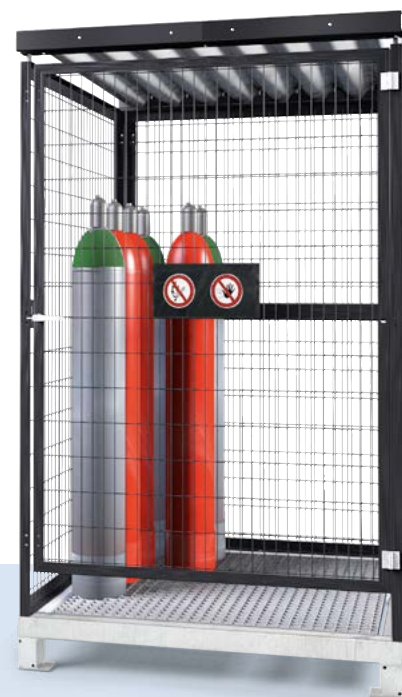
The outside walls of storage rooms must be at least fire-retardant.



Gas cylinder store Model GSN 1:15,
without base



Gas cylinder store Model GSN 2:28, with base



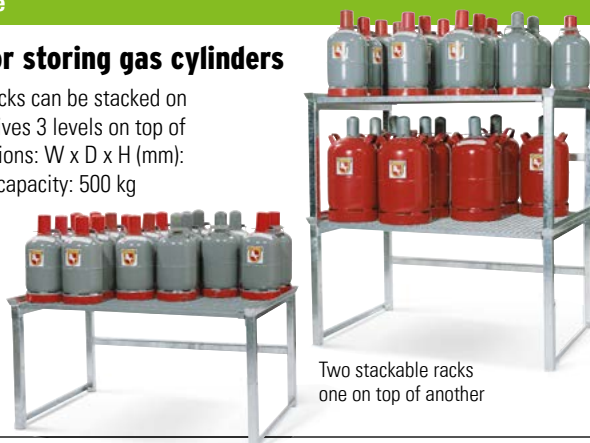
Gas cylinder store Model GSN 1:15, with base

Order at the same time

Stackable rack for storing gas cylinders

Storage racks: up to 2 racks can be stacked on top of each other. This gives 3 levels on top of each other. Rack dimensions: W x D x H (mm): 1437 x 1038 x 750, load capacity: 500 kg

Order no. 115-876-J1

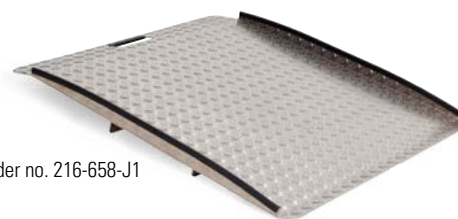


Two stackable racks
one on top of another

Access ramp

For easy loading of the gas cylinder store, use the hook-on access ramp in aluminium, W x D (mm): 908 x 933, wheel load 150 kg, suitable for gas cylinder store with base unit

Order no. 216-658-J1





Fire-rated gas cylinder cabinet model G 30.6, Width 600 mm.
Supplied optionally as G30 or G90 version



Fire-rated gas cylinder cabinet Model G 90.9, width 900 mm.
Supplied optionally as G30 or G90 version.

■ For fire-proof storage of gas cylinders in work areas

■ Type-tested as per EN 14470-2

- Optimum fire protection and best possible safety for pressurised gas cylinders
- Maintenance of the maximum permitted temperature increase on the surface of the cylinder valve holder of 50K in accordance with EN 14470-2
Model range G90 are also GS tested
- Air extraction connection (NW 75) fitted in the roof of the cabinet
- Adjustable feet to even out uneven floor surfaces
- Break through points in the roof of the cabinet
- Complete with mounting rails for fittings, gas cylinder support and belt (fittings and gas cylinders not included)
- Easy to install the gas cylinders with the integral folding ramp in chequer plate steel
- Generous internal height to facilitate fitting inside the cabinet
- With earthing connection as standard

Model	G 90.6-10	G 90.6	G 90.6-2F	G 30.6	G 90.9	G 30.9
Fire resistance	90 minutes	90 minutes	90 minutes	30 minutes	90 minutes	30 minutes
Storage capacity	10 litre gas cylinders	50 litre gas cylinders	50 litre gas cylinders	50 litre gas cylinders	50 litre gas cylinders	50 litre gas cylinders
Number	2	1	2	2	3	3
External dimensions W x D x H [mm]	598 x 615 x 1450	598 x 615 x 2050	598 x 615 x 2050	598 x 616 x 2050	898 x 615 x 2050	898 x 615 x 2050
Internal dimensions W x D x H [mm]	445 x 425 x 1246	445 x 425 x 1858	477 x 425 x 1858	494 x 479 x 1874	745 x 425 x 1858	794 x 479 x 1874
Door design	1-wing	1-wing	1-wing	1-wing	2 wing doors	2 wing doors
Door hinge: both sides						
Order number grey/yellow	—	—	—	—	165-313-J1	144-520-J1
Order number Grey	—	—	—	—	165-306-J1	117-003-J1
Door hinge: left						
Order number grey/yellow	210-380-J1	165-310-J1	210-384-J1	144-518-J1	—	—
Order number Grey	210-382-J1	165-304-J1	210-386-J1	117-001-J1	—	—
Door hinge: right						
Order number grey/yellow	210-381-J1	165-311-J1	210-385-J1	144-519-J1	—	—
Order number Grey	210-383-J1	165-305-J1	210-387-J1	117-002-J1	—	—



Delivery times

Exact delivery times for yellow gas cylinder cabinets in width 600 mm and the G30 version are available on request - just give us a call: 01952 811 991. All other sizes and versions can be supplied within 4-5 weeks.



Fire-rated gas cylinder cabinet model G 30.12, Width 1200 mm.
Supplied optionally as G30 or G90 version



Fire-rated gas cylinder cabinet Model G 90.14, width 1400 mm.
Supplied optionally as G30 or G90 version.

Model	G 90.12	G 30.12	G 90.14	G 30.14
Fire resistance	90 minutes	30 minutes	90 minutes	30 minutes
Storage capacity	50 litre gas cylinders	50 litre gas cylinders	50 litre gas cylinders	50 litre gas cylinders
Number	4	4	4	4
External dimensions W x D x H [mm]	1198 x 615 x 2050	1198 x 615 x 2050	1398 x 615 x 2050	1398 x 615 x 2050
Internal dimensions W x D x H [mm]	1045 x 400 x 1858	1094 x 479 x 1874	1245 x 400 x 1858	1294 x 479 x 1874
Door design	2 wing doors	2 wing doors	2 wing doors	2 wing doors
Order number grey/yellow	165-314-J1	144-521-J1	165-315-J1	144-522-J1
Order number Grey	165-307-J1	117-004-J1	165-308-J1	117-005-J1

Order at the same time



- **Mounting kit** for pipe breakthrough points, incl. 2 Ermeto screw joints, R 3 / 8", for G30 and G90 cabinets, **Order no. 117-007-J1**
- Height adjustable holder for fitting on the side wall, for 2 x 10 litre cylinders - for G30 and G90 cabinets, apart from G 90.6-10 And G 90.6-2F, **Order no. 117-006-J1**

Quick to install extraction units for technical ventilation

- Add on without air surveillance, **Order no. 129-345-J1**
- Add on with air surveillance, **Order no. 136-799-J1**



Quick to install extraction units
for technical ventilation



TIP: For a 120 times air exchange, which is needed for example when storing toxic gases in the cabinet, use the radial fans on

See page
164

Fire-rated gas cylinder store model GFT and GF, for up to 48 gas cylinders

■ For the legally compliant storage of gas cylinders

- Stable steel frame construction in blue (RAL 5010)
- Can be sited directly next to a building wall without a safety distance
- Natural ventilation with ventilation bricks
- Roof canopy offers weather protection
- With safety chain for storage of a single cylinder
- Delivered ready to use
- Incl. Crane eyes



Fire-rated gas cylinder store model GF 17.9
For up to 12 cylinders

On request

Order no. 146-238-J1



Lockable doors, either as mesh or fire-rated versions ensure that unauthorised persons have no access



With safety chain as standard for practical storage of individual cylinders

Order at the same time



Base in galvanised stud plate with integral ramp Protects your gas cylinders from damp and weather even at ground level

On request

Order no.
149-035-J1

Loading example



Model	GF 17.9	GF 17.15	GF 33.9	GF 33.15	GFT 17.9	GFT 17.15	GFT 33.9	GFT 33.15
Features	With mesh door				With fire-rated door			
Storage capacity for 50 litre gas cylinders	12	24	24	48	12	24	24	48
External dimensions W x D x H (mm)	1731 x 845 x 2360	1731 x 1525 x 2360	3353 x 845 x 2360	3353 x 1525 x 2360	1731 x 845 x 2360	1731 x 1525 x 2360	3353 x 845 x 2360	3353 x 1525 x 2360
Door design	1-wing		2 x 1-wing		1-wing		2 x 1-wing	
Order number	146-238-J1	148-385-J1	148-384-J1	146-233-J1	199-936-J1	199-938-J1	199-407-J1	199-939-J1
Price	On request	On request	On request	On request	On request	On request	On request	On request
Accessories	Base							
Order number	149-035-J1	146-220-J1	149-035-J1	146-220-J1	—	—	—	—
Price	On request	On request	On request	On request	—	—	—	—

*Transport dimensions differ from the dimensions of the body



On request

Order no. 146-233-J1

Fire-rated gas cylinder store model GF 33.15, base and gas cylinder pallet available as an option

For the protected, optimum storage of up to 48 gas cylinders. The gas cylinders can be safely transported to the storage cabinet on a gas cylinder pallet with a forklift truck.

Order at the same time

Stackable rack for storing gas cylinders

- Stable steel frame construction with hot dip galvanised grid as loading surface
- Stackable twice, giving 3 levels on top of each other
- Delivered flat-pack for self-assembly
- Load capacity: 500 kg



Order no. 115-876-J1



Two stackable racks one on top of another



Fire-rated gas cylinder store model GFT 33.15 For up to 48 gas cylinders. The fire-rated doors can be locked and offer protection from unauthorised access.

EXPERTISE

EXPERT ADVICE

SERVICE

SAFER, MORE ENVIRONMENTALLY-FRIENDLY STORAGE TECHNOLOGY IN STEEL

Do you need a legally-compliant, environmentally-friendly solution for securing an operational area when storing and handling hazardous substances? Or do you need to house technical equipment in a secure, easy way? Whether its a hazmat store, a fire-rated storage container or a technical safety room - technical room systems from DENIOS are designed especially for the storage medium and the relevant activity. Depending on the concept for use, systems with shelving, compact systems or walk-in systems could be used. Turnkey room systems in steel are individually equipped for each customer based on standard systems.



Our quality promises

With storage technology from DENIOS you can rely on tested, certified quality. All DENIOS technical room systems are produced in house. This is why we had our in-house production checks certified in accordance with DIN EN 1090 at an early stage. The three-part European standard DIN 1090 has applied since 2014 to all manufacturers of load bearing constructions in steel and aluminium and is a prerequisite for CE marking, without which trade in the EU is not permitted. Right from the planning stage, we ensure that all requirements are met and that our solutions are both highly efficient and economical. So that you as a customer can be sure of this, we have ourselves and our products regularly certified by independent institutes. These include DEKRA, TÜV Nord, DVS, IBS and Deutsches Institut für Bautechnik (DIBt) in Berlin.

EN 1090

DENIOS
onlineshop

Your developer and
manufacturer – read more!



www.denios.co.uk/
manufacturer



Our service concept

Before you decide on a room system, you need the certainty that it will exactly meet your needs and will also meet all the requirements of the law as well as those of your insurers. We therefore offer comprehensive and personalised advice, on site if needed, and support you with full additional information on the desired solutions. During the design and production phase, professional project management ensures that everything is covered. And of course we are there for you once your purchase has been made with our professional maintenance service and many years of experience to help answer any questions or offer training.

You've got the choice - we've got the equipment

Use the full range of DENIOS equipment options to fit out your hazmat store as you need. Optimise your hazmat management processes with a storage system which is customised to meet your operational needs. As a manufacturer we know that safety and legal compliance alongside ease of use and maintenance are important commercial parameters which can be best exploited by customised equipment. Our DENIOS specialists are here to help you plan the exact design and configuration of your hazmat storage system equipment. If required, we can offer on-site advice and use our DENIOS developed software, the Variant Configurator, to create a storage solution especially for your needs.

Advantages at a glance

Excellent customer service

- Comprehensive, individual range of services
- Personal customer service and on-site quote configuration
- Comprehensive range of equipment
- International production, sales and service
- Modern information and communication media
- Factory visits
- Test systems

Knowledge and technology advantages

- Over 30 years' experience
- Modern, efficient manufacturing
- Close cooperation with authorities and experts for forward-looking product developments
- Innovation department and cooperation with innovation networks
- Innovation leader in digital customer services
- Uniquely wide range of knowledge transfer services

Quality and sustainability

- Certified WHG specialist company
- Internationally certified hazmat storage technology (building law, fire and water protection)
- Certified factory production controls to EN 1090
- Management certification to ISO 9001, 50001 and 14001
- Excellent CSR Rating (Silver 2019, ecovadis)



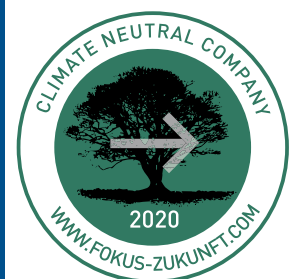
Comprehensive expertise as well as additional information on our product range, numerous equipment options and our service offering can be found in our "Technical room systems" brochure.



Order now: 01952 811 991

Sustainability at DENIOS

We are climate neutral!



www.denios.co.uk/sustainability



EXPERTISE

EXPERT ADVICE

SERVICE

PLANNING FACTORS FOR YOUR HAZMAT STORE

You won't have to plan your hazmat store by yourself. It's important to us that we offer extensive, personal advice and determine your exact requirements. In order to illustrate how much potential for discussion there is in the planning of a hazmat store, here are a few of the most important questions we will look at together when it comes to your specific situation.

1 Which media are to be stored?

Special precautions must be taken for hazardous substances depending on their properties and hazard potential. For example, for acids and alkalis special PE inliners need to be provided in the spill pallet. For flammable media statutory fire protection regulations need to be observed. If there is an explosive atmosphere the ATEX Directive 2014/34/EU must be observed. If various media are to be stored, the combined storage regulations need to be observed.

2 Which storage class (LGK) and water hazard class (WGK) do the media fall in to?

Every hazardous substance is classified in a storage class. The classification is made using the data in the safety data sheet or the packaging labelling. The method is used to determine safe ways of storing different hazardous substances together in order to avoid an increase in risk. Depending on the water hazard class as well as the storage quantities of water-polluting substances or the size of the plant, spill pallets with the corresponding collection volume and extinguishing water retention devices are required as water protection measures.

3 Which requirements for safe storage can be found in the safety data sheet for the stored medium?

In the safety data sheet you can usually find information for safe storage conditions. These include, for example, special requirements for storage rooms or containers (including retaining walls and ventilation), incompatible materials, storage conditions (temperature / air / humidity / light etc.), special requirements for electrical systems and equipment, as well as measures against electrostatic charging.

4 Which container sizes (small containers / 205 litre drums / IBCs) are to be stored and how many are to be stored?

The type of store depends on the container size. Walk-in hazardous materials stores or hazmat cabinets are ideal for small containers depending on the quantity to be stored. For walk-in systems, the customer can select the number of shelving units or meters of shelving. For larger containers compact hazmat stores or hazmat storage containers with shelving are more suited. DENIOS offers specially customised hazmat storage containers with shelving for various types of storage (on pallets, directly on grids, horizontal drum storage etc.).

5 How will the store be loaded with containers / pallets?

The type of loading (manual / drum trolley / pallet truck / forklift) will determine if the store needs to be accessible underneath for example, or if the entry sill can be crossed using an access ramp.

Our experts are happy to advise you onsite



www.denios.co.uk/consultation



In addition to the planning factors mentioned, we will also talk to you about equipment options and services and support you with planning documents for dealing with authorities. Joint quality controls (Factory Acceptance Test, FAT / Site Acceptance Test, SAT) or factory visits are of course possible. In our newly opened DENIOS Technical Centre, you can see the quality and functionality of our technical room systems for yourself.

You can see how extensively we dedicate ourselves to customer service. It's not just the quality of our products which speaks for itself. Our customer-oriented organizational structure also supports you in ensuring that your hazardous material storage technology benefits from a reliable, efficient, economical and legally-compliant overall solution.

6 Is dispensing or filling to be carried out in the store?

When dispensing or filling hazardous substances, increased safety equipment must be planned, especially if the storage medium is a flammable substance. Technical protective measures include, for example, provision of technical ventilation to maintain the prescribed air exchange rate, air extraction monitoring, fire and explosion protection measures as well as the installation of equipotential bonding for earthing. Appropriate equipment options are available for easy handling, such as dispensing platforms, steps or drum pumps.

7 Do the media need to be held at certain storage temperatures?

In the case of temperature-sensitive substances, technical equipment (heating / climate control technology) must be provided to comply with the temperature limits. Depending on the application, our technical room systems have thermal insulation in ISO A or ISO B materials.

Frost-free hazmat storage containers

From page
233



8 Do you want to store hazardous substances in a water protection area?

Special technical and organisational measures are required for the storage of hazardous substances in a water protection area. On the basis of your information, we will prepare a service offer for you that includes the appropriate safety equipment and services for the legally-compliant operation of the hazmat store.

9 Is (safe) transport unloading and installation using a crane/forklift possible at the site?

Many DENIOS customers use our convenient unloading service. Our trained DENIOS employees will then ensure safe, damage-free unloading for you. If required, suitable lifting equipment can be provided. We will inform you in good time about any preparatory work to be carried out by the customer, such as the preparation of the foundation, so that the commissioning can be carried out on schedule.



Simple - smart:
DENIOS Connect condition monitoring



From page
274

Hazardous materials store WHG - the proven entry level model

Hazardous materials store WHG is one of the most popular room systems for various container sizes. The external cladding is in sturdy galvanised trapezium sheet and can be painted if required. The tested, single-piece water law compliant hot dip galvanised spill pallet has grids as a loading surface. The unique range of equipment options ensures a custom configuration which meets the customer's needs.

m²

Storage area:
approx. 2 to 15 m²



On request

Order no. 265-970-J1

Walk-in hazardous materials store WHG 320 with natural ventilation and optional shelving



For your safety and ease of use:
5 mm spill pallet with entry
height of just 150 mm!

Overview of advantages

- Approved for the storage of water-polluting, flammable substances, if required with technical ventilation depending on application
- Sturdy industrial design in profile sheet finish
- Tested 5 mm spill pallet, single-piece, ideally suited for the legally-compliant storage of even large containers
- Free delivery, ready assembled and ready to use

Basic design

Even the basic version of hazardous materials store WHG is approved for the storage of water-polluting substances.




Equipment includes:

- Tested, one-piece spill pallet with large containment volume
- External cladding in galvanised profile sheet
- 2-winged door on the long side (central)
- Security lock for protection against unauthorised access
- Crane eyes for safe use with a crane and transport safety device

Description	Storage area [m ²]	Sump Volume [l]	Body dimensions W x D x H* [mm]	Internal dimensions W x D x H [mm]	Weight* [kg]
WHG 210	2	360	2165 x 1028 x 2320	2000 x 830 x 2000	450
WHG 320	6	830	2990 x 2215 x 2235	2830 x 2000 x 2000	860
WHG 250	10	1426	5028 x 2215 x 2235	4830 x 2000 x 2000	1320
WHG 360	15	2224	6028 x 2800 x 2235	5830 x 2590 x 2000	1860

Note: Dimensions and weights without equipment. Technical changes reserved.
*without equipment

Designs according to substance properties

	Corrosive	<ul style="list-style-type: none"> Equipped with PE or stainless steel inliner
	Flammable (H226, H225, H224)	<ul style="list-style-type: none"> Natural ventilation available on request The pre-requisites for storing flammable liquids must be observed <p>For activities in the store (active storage):</p> <ul style="list-style-type: none"> Equipped with technical ventilation If necessary, equipped with air extraction monitoring The pre-requisites for storing flammable liquids must be observed
	All other hazardous substance properties	<ul style="list-style-type: none"> Equipment in accordance with risk assessment. Speak to us about special storage provisions.
	Temperature-sensitive substances	<p>Insulated design, we also recommend</p> <ul style="list-style-type: none"> For frost-sensitive substances, our storage room MCV For increased heating or cooling, hazmat store SC

Prerequisites for storing flammable liquids



(Flashpoint $\leq 60^\circ\text{C}$, classified as H226, H225 or H224)

- Respect the safety distances
- Establish the earth bonding (earthing connection available); take some lightning protection measures if necessary.
- Comply with country specifications for air exchange rates.
- Compliance in line with HSE guidelines (DSEAR) and Environment Agency guidelines.

Structural analysis

- Static according to Eurocode 3 (EN 1993) for a characteristic wind load with avelocity pressure q_k , $w = 0.585 \text{ kN} / \text{m}^2$ and a characteristic snow load of the ground $s_k = 2.5 \text{ kN} / \text{m}^2$
- Static sufficiently dimensioned according to EN 1998-1: 2004 for seismic zone 3

Overview of models:

Hazmat Storage Containers from 2 – 15 m², internal height 2 m*

WHG 210

Storage area:
2 m²

WHG 320

Storage area:
6 m²

WHG 250

Storage area:
10 m²

WHG 360

Storage area:
15 m²

*The measurements given on this page are rounded up. Please see the following pages for exact measurements.

Are you looking for a hazmat store with fire resistance (F 90 / REI 90) from inside and out? Then DENIOS fire-rated storage containers are the right ones for you!

From page
242

Choose from the most comprehensive range of equipment available on the market.

See page
264



The DENIOS Hazmat manual

The DENIOS Key Facts of the British Health & Safety Legislation 2020 is an essential source of knowledge for hazardous materials storage and legislation that governs it. This handy guide covers DSEAR, BS EN 14470-1, Ventilation and more.

Order your FREE copy today!

Order no. 188-294-J1



Making use of the space

Whenever small containers need to be stored, the walk-in version of the hazmat storage container is ideal. With built-in shelves you ensure a comfortable and clear layout. If you want to store drums and IBCs too, the floor can also be used as a storage surface (load capacity: 1000 kg/m²).



Shelving

Optionally available shelves can be used to create order for small containers in your hazmat store. The shelves can be stacked. They have three boards (grids) and are available in two sizes:

- 1,000 x 500 mm (W x D, shelf load: 75 kg*, bay load: 225 kg)
- 2,000 x 500 mm (W x D, shelf load: 120 kg*, bay load: 360 kg).

*Shelf loads are with an evenly distributed load.

Choose from the most comprehensive range of equipment available on the market.

See page
264

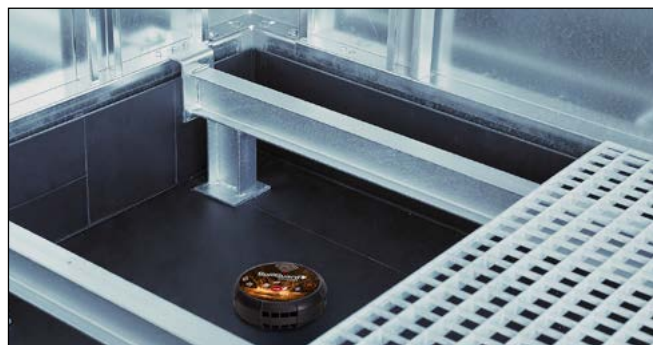
Grids

Hazmat storage containers are fitted with galvanised grids as standard (grid size 40/30 mm or 60/30 mm). For improved access for example with a pallet truck, narrower mesh grids (grid size 22/11 mm or 33/11) can be selected.



Acid-proof sump liners

Spill pallets can be supplied with liners in polyethylene (HDPE) for the storage of aggressive media such as acids and alkalis. These can be supplied in an "electrically non-dissipative" and an "electrically dissipative" version. Depending on goods stored and the storage conditions, stainless steel may be another alternative. We would be pleased to provide you with advice.





Hazmat store WHG 360 with 2-wing door on the long side, optionally available built-in shelving and access ramp

Removable hot dip galvanised grids as a standing surface

Fitted with a large 2-wing door on the long side as standard

Door dampers

The optionally available door damper system ensures the doors close gently.
 Order no. 272-099-J1

SOFT-CLOSE
 >>>>

Electrical equipment

Your hazmat store can be fitted with power sockets and lighting if required. In the standard version, the central power connection uses a sub-distribution unit. With a more elaborate electrical set-up, e.g. with technical ventilation, we can provide a switch cabinet with control and operating elements if required.

Ex-proof design



As an operator you will need to define Ex zones if an Ex zone is present. We offer all equipment which could represent a potential source of sparks in the Ex zone in the corresponding protected version.

Base design

The hazmat store has a tested, single-piece hot dip galvanised spill pallet with grids as a loading surface. The spill pallet provides excellent resistance against many types of liquid, e.g. oils, dyes, alcohols, solvents or greases. If aggressive chemicals need to be stored, a polyethylene (PE) inlay spill pallet or a stainless steel design ensures the resistance required by the authorities will be met. Galvanised fluid guides all around ensure any leaked fluids are safely diverted to the spill pallet. The removable grid meets the German guidelines for quality and tests RAL GZ 638, load capacity: 1,000 kg/m². A pallet truck can be used with a narrow-mesh grid and an access ramp. Improved safety and ease of use are provided by the 5 mm spill pallet with an entry height of just 150 mm.

Your service partner

DENIOS storage systems will usually be delivered fully assembled and ready to use. Just ask if you would also like the DENIOS assembly team to unload and professionally install your product for you. In addition, your employees will be trained on all the safety aspects of your storage container and its operation. Please ask for details of our cost-effective packages and what they cover.



Find out more about our service offering

See page
278

Hazmat store MCV - a multi-purpose, proven design

The walk-in hazmat store MCV has improved comfort and flexibility, offering a choice of dimensions, an insulated version and much more. The use of galvanised components and painting ensures long-term corrosion protection. Various sizes of container can be stored, from small containers up to 205 litre drums. The inner room can be optimised with flexible shelving systems.

m²

Storage area:
approx. 5 to 17 m²



On request

Order no. 265-971-J1

Hazmat store MCV 4320 with optional shelving and in special colour

Overview of advantages

- Approved for the storage of water-polluting and flammable substances, if required with technical ventilation depending on application
- Appealing modern design which fits perfectly with existing surroundings
- If required, available with additional thermal insulation using mineral wool (fire class A) and heating
- Single-piece, tested 5 mm spill pallet, therefore ideally suited for the legally-compliant storage of even large containers
- Free delivery, ready assembled and ready to use

Basic version

Even the basic version of hazardous materials store MCV is approved for the storage of water-polluting substances.

Basic equipment includes:




- Tested, one-piece spill pallet with large containment volume
- External cladding in galvanised profile sheet
- 2-wing door (W x H: 2000 x 2000 mm) either* on the short or long side of the store in the steps provided
- Security lock for protection against unauthorised access
- Crane eyes for safe use with a crane and transport safety device

* MCV 2520 only available with 2-wing door on the long side

Description	Storage area [m ²]	Sump Volume [l]	Body dimensions W x D x H* [mm]	Internal dimensions W x D x H [mm]	Weight* [kg]
MCV 2520	5	787	2444 x 2422 x 2365	2240 x 2240 x 2100	950
MCV 4320	10	1467	4422 x 2444 x 2365	4240 x 2240 x 2100	1520
MCV 4330	12	1785	4422 x 2944 x 2365	4240 x 2740 x 2100	1730
MCV 6330	17	2612	6422 x 2944 x 2365	6240 x 2740 x 2100	2330

Note: Dimensions and weights without equipment. Technical changes reserved.
*without equipment

Designs according to substance properties

	Corrosive	<ul style="list-style-type: none"> Equipped with PE or stainless steel inliner
	Flammable (H226, H225, H224)	<ul style="list-style-type: none"> Natural ventilation available on request The pre-requisites for storing flammable liquids must be observed <p>For activities in the store (active storage):</p> <ul style="list-style-type: none"> Equipped with technical ventilation If necessary, equipped with air extraction monitoring The pre-requisites for storing flammable liquids must be observed
	All other hazardous substance properties	<ul style="list-style-type: none"> Equipment in accordance with risk assessment. Speak to us about special storage provisions.
	Temperature-sensitive substances	<ul style="list-style-type: none"> Wall and roof insulation in 40 and 50 mm A class material (non-combustible) Optional heating If required, with temperature monitoring

Prerequisites for storing flammable liquids



(Flashpoint $\leq 60^\circ\text{C}$, classified as H226, H225 or H224)

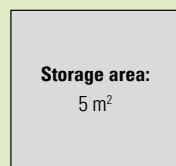
- Respect the safety distances
- Establish the earth bonding (earthing connection available); take some lightning protection measures if necessary.
- Comply with country specifications for air exchange rates.
- Compliance in line with HSE guidelines (DSEAR) and Environment Agency guidelines.

Structural analysis

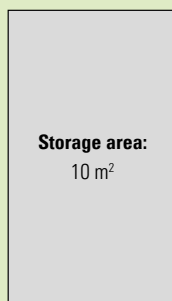
- Structural analysis to Eurocode 3 (DIN EN 1993) measured for a characteristic wind load with a dynamic pressure of $q_{k,w} = 0.585 \text{ kN/m}^2$ and a characteristic ground snow load of $s_k = 2.5 \text{ kN/m}^2$
- Structural analysis sufficiently measured in accordance with DIN 4149/EN 1998-1:2004 for earthquake zone 3

Overview of models:

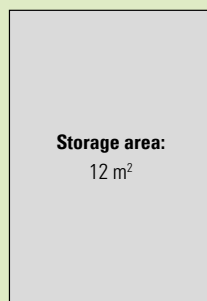
MCV 2520



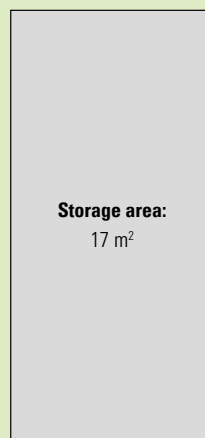
MCV 4320



MCV 4330



MCV 6330



Choose from the most comprehensive range of equipment available on the market.

See page
264

If fire resistance (F 90 / REI 90) from inside and outside is required for the hazmat store, DENIOS fire-rated stores are ideal, e.g. walk-in room system WFP.

See page
242-243



Making use of the space

Whenever small containers need to be stored, the walk-in version of the hazmat storage container is ideal. With built-in shelves you ensure a comfortable and clear layout. If you want to store drums and IBCs too, the floor can also be used as a storage surface (load capacity: 1000 kg/m²).



Shelving

Optional shelves can be used to create order for small containers in your hazmat store. The shelves can be stacked. They have three boards (shelves) and are available in two sizes:

- 1,000 x 500 mm (W x D, shelf load: 75 kg*, bay load: 225 kg)
- 2,000 x 500 mm (W x D, shelf load: 120 kg*, bay load: 360 kg).

*Shelf loads are with an evenly distributed load.

Insulation

With the insulated, heated version you will receive a legally-compliant, frost-free store (external -15°C, internal +5°C) for temperature-sensitive liquids. We would be happy to help you plan your frost-free hazardous materials store.



Frost-free hazmat storage containers

From page
232



Expert advice

Not found what you are looking for? Need more detailed information? Let DENIOS advise you!



01952 811 991



Electrical equipment

Your hazmat store can be fitted with power sockets and lighting if required. In the standard version, the central power connection uses a sub-distribution unit. With a more elaborate electrical set-up, e.g. with technical ventilation, we can provide a switch cabinet with control and operating elements if required.

Ex-proof design



As an operator you will need to define Ex zones if an Ex zone is present. We offer all equipment which could represent a potential source of sparks in the Ex zone in the corresponding protected version.



Hazmat store MC 6330, insulated



SpillGuard®

Leak sensor

The first leak sensor of its kind: fully autonomous, ready to use and can be fitted to any type of spill pallet. Leaked hazardous liquids in the spill pallet are reliably detected and notified, before more serious damage can occur - and you gain valuable time for cleaning up. Installation is easier than ever: simply switch on, put into position and you're safe!



DENIOS innovation

Order no. 271-433-J1

Base design

The hazmat store has a tested, single-piece hot dip galvanised spill pallet with grids as a loading surface. The spill pallet provides excellent resistance against many types of liquid, e.g. oils, dyes, alcohols, solvents or greases. If aggressive chemicals need to be stored, a polyethylene (PE) inlay spill pallet or a stainless steel design ensures the resistance required by the authorities will be met. Galvanised fluid guides all around ensure any leaked fluids are safely diverted to the spill pallet. The removable grid meets the German guidelines for quality and tests RAL GZ 638, load capacity: 1,000 kg/m². A pallet truck can be used with a narrow-mesh grid and an access ramp. Improved safety and ease of use are provided by the 5 mm spill pallet with an entry height of just 150 mm.

Your service partner

DENIOS storage systems will usually be delivered fully assembled and ready to use. Just ask if you would also like the DENIOS assembly team to unload and professionally install your product for you. In addition, your employees will be trained on all the safety aspects of your storage container and its operation. Please ask for details of our cost-effective packages and what they cover.



**Find out more about
our service offering**

See page
278

Hazmat store SolidMaxx - solid space

The compact SolidMaxx hazmat store has a sturdy design and uses the storage capacity available on a small footprint to best advantage. The stable, corrosion-protected steel design with integral spill pallet has enough space to store up to 8 x 205 litre drums on Euro / chemical pallets or directly on the grids or up to 2 IBCs. Access underneath ensures a pallet truck or forklift can be used for loading.

In the high version (CH) the room system can be used with dispensing equipment as a dispensing station for IBCs.



For up to 8 drums
or 2 KTCs / IBCs



On request

Order no. 265-968-J1

Hazmat store SolidMaxx CH 2.1
with dispensing equipment

Overview of advantages

- Approved for the storage of water-polluting and flammable substances, if required with technical ventilation depending on application
- Sturdy corrosion protected steel construction with integral spill pallet
- If required, available with additional thermal insulation using mineral wool (ISO A) and heating for frost-free storage

Basic version

Even the basic version of hazmat store SolidMaxx is approved for the storage of water-polluting substances. Basic equipment includes:

- Tested, single piece spill pallet with a thickness of 5 mm (up to density 1.9 g/cm³) or 3 mm (up to density 1.0 g/cm³)
- Weather-resistant external cladding
- 1-wing door for SolidMaxx C / CH 1.1, 2-wing for SolidMaxx C / CH 2.1
- Internal door hook
- Security lock for protection against unauthorised access
- Crane eyes for safe use with a crane and transport safety device




Description	Storage capacity IBC / CP / EP / drum	Sump capacity [l]	Body dimensions W x D x H* [mm]	Internal dimensions W x D x H [mm]	Overall load capacity [kg]	Weight* [kg]
SolidMaxx C 1.1	1 / 1 / 1 / 4	1513	1710 x 1570 x 2360	1350 x 1310 x 1405	2000	502
SolidMaxx C 2.1	2 / 2 / 3 / 8	1365	2900 x 1570 x 2060	2540 x 1310 x 1405	4000	655
SolidMaxx CH 1.1	1 / 1 / 1 / 4	1377	1725 x 1865 x 2500	1400 x 1610 x 1770	2000	545
SolidMaxx CH 2.1	2 / 2 / 3 / 8	1323	2990 x 1865 x 2295	2665 x 1610 x 1770	4000	760

Note: IBC = Intermediate Bulk Container, 1000 l · CP = Chemical pallet for 4 x 205 litre drums · EP = Euro pallet for 2 x 205 litre drums · Drum = 205 litre drum directly on the grid
Dimensions and weights without equipment. Technical changes reserved.

*with crane eyes



Designs according to substance properties

	Corrosive	<ul style="list-style-type: none">Equipped with PE or stainless steel inliner
	Flammable (H226, H225, H224)	<ul style="list-style-type: none">Natural ventilation available on requestThe pre-requisites for storing flammable liquids must be observed <p>For activities in the store (active storage):</p> <ul style="list-style-type: none">Equipped with technical ventilationIf necessary, equipped with air extraction monitoringThe pre-requisites for storing flammable liquids must be observed
	All other hazardous substance properties	<ul style="list-style-type: none">Equipment in accordance with risk assessment. Speak to us about special storage provisions.
	Temperature-sensitive substances	<ul style="list-style-type: none">Wall and roof insulation in 40 and 50 mm A class material (non-combustible)Optional heatingIf required, with temperature monitoring

Prerequisites for storing flammable liquids



(Flashpoint $\leq 60^\circ\text{C}$, classified as H226, H225 or H224)

- Respect the safety distances
- Establish the earth bonding (earthing connection available); take some lightning protection measures if necessary.
- Comply with country specifications for air exchange rates.
- Compliance in line with HSE guidelines (DSEAR) and Environment Agency guidelines.

Structural analysis

- Structural analysis to Eurocode 3 (DIN EN 1993) measured for a characteristic wind load with a dynamic pressure of $q_{k,w} = 0.585 \text{ kN/m}^2$ and a characteristic ground snow load of $s_k = 2.5 \text{ kN/m}^2$
- Structural analysis sufficiently measured in accordance with DIN 4149/EN 1998-1:2004 for earthquake zone 3

Choose from the most comprehensive range of equipment available on the market.

See page
264

Overview of the product range

SolidMaxx CH 1.1 and CH 2.1 are approx. 0.3 m deeper and higher than Models C 1.1 and C 2.1 (optimised for dispensing equipment)



SolidMaxx C 1.1
For up to 4 drums or 1 IBC



SolidMaxx CH 1.1
for up to 4 drums or 1 IBC*
*Dispensing platform optional



SolidMaxx C 2.1
For up to 8 drums or 2 IBCs



SolidMaxx CH 2.1
For up to 8 drums or 2 IBCs
*Dispensing platform optional

If fire resistance (F 90 / REI 90) is required for the hazmat store, DENIOS fire-rated stores are ideal, e.g. compact room system RFP 115.

See page
246-247



Making use of the space

Hazmat store SolidMaxx can be filled with drums goods on Euro or chemical pallets or with IBCs. Mixed storage or storage of drums directly on the grids is also possible. Access underneath (100 mm ground clearance) allows the hazmat store to be loaded using a hand guided electric forklift for example.

Optionally available dispensing platforms can also be used to turn the room system into a comfortable dispensing station for KTCs / IBCs.



Dispensing platform

The dispensing platform raises the position of a large container (KTC / IBC) in hazardous materials store SolidMaxx. Dispensing and dosing activities are therefore made much easier. The platform has a load capacity of 2000 kg and is made from galvanised steel. It weighs 63 kg.

Order no. 144-785-J1



Step

The 1-tread step allows you to easily reach the upper part of a container, for example to use a drum pump. The galvanised stud plate ensures protection from the weather. With a load capacity of 200 kg and weighing in at just 10 kg this robust step ensures safe standing.

Order no. 136-784-J1

Insulation

With the insulated, heated version you will receive a legally-compliant, frost-free store (external -15°C, internal +5°C) for temperature-sensitive liquids. We would be happy to help you plan your frost-free hazardous materials store.



Frost-free hazmat storage containers

From page
272

Base design

The technical room system has a tested, single-piece, water law compliant, 5 mm spill pallet (up to density 1.9 g/cm³) and has grids as a loading surface. Optionally available with 3 mm spill pallet (to density 1.0 g/cm³). When equipped with a PE inliner, galvanised fluid guides all around ensure any leaked fluids are safely diverted to the spill pallet. The removable grids meet the guidelines for quality and tests RAL GZ 638. Load capacity up to 4000 kg.



Door dampers

The optionally available door damper system ensures the doors close gently.
Order no. 272-099-J1

SOFT-CLOSE
»»»»



SolidMaxx CH 1.1 for up to 4 drums, insulated



SolidMaxx CH 1.1 for 1 KTC / IBC

Electrical equipment

Your hazmat store can be fitted with power sockets and lighting if required. In the standard version, the central power connection uses a sub-distribution unit. With a more elaborate electrical set-up, e.g. with technical ventilation, we can provide a switch cabinet with control and operating elements if required.

Ex-proof design



As an operator you will need to define Ex zones if an Ex zone is present. We offer all equipment which could represent a potential source of sparks in the Ex zone in the corresponding protected version.

Variant configurator

The equipment selected for your hazmat store will be individually selected for you. If required, we can offer on-site advice and use our DENIOS developed software, the Variant Configurator, to create a storage solution especially for your needs.

Choose from the most comprehensive range of equipment available on the market.

See page
264



Hazmat store System Container (CS) - Perfect fit for large containers

DENIOS Classic Store - multi-level storage containers offer many variable solutions for the storage of dangerous products on several levels. The dimensions and accessories of the different versions (GK and PK) are optimized to accommodate large containers (drums and IBCs) with or without pallets, or mixed storage.

Each version offers the usual variety of DENIOS solutions, with an insulated version and an extra deep version. Numerous additional equipment options allow configuration and customization of your storage container so it is perfectly suited to your needs. Therefore, the investment costs and space requirements are reduced to a minimum. Like all DENIOS solutions, CS containers comply with current legislation and offer you optimal security.



Container 2GK 614.OST with sliding doors is optimized for storage of drums and IBCs directly on to the grids

The basic version

CS multi-tier storage containers are approved for the storage of pollutant products.

Basic equipment:

- Spill retention sump tested at the lower storage level.
- Exterior cladding in trapezoidal sheet metal galvanized and painted (the insulated version is supplied with smooth panels).
- Door versions: one option available is with wing doors, the other option is with sliding doors, roller shutters are available on request.
- Security lock to prevent unauthorised access.
- Lifting eyes for ease and safety during lifting and transport.

Our benefits at on glance

- Minimize investment costs by maximizing storage locations
- Equipment suitable for different types of containers to store
- Ground clearance from floor (100 mm)
- Manufactured in accordance with HSE & Environment Agency guidelines






Variations available

Our wide range of multi-level containers offers many variations:

- Extra deep design for high capacity maximum storage capacity (loading both sides)
- Wing / sliding doors, roller shutters on request.
- Specific thermal insulation for frost-free storage of sensitive products
- 50% retention sump as standard.
- Storage also available for decanting from drums



Versions available according to product specifications

 Corrosives	<ul style="list-style-type: none"> ■ Retention sump supplied with HDPE liners or epoxy coating available on request.
 Flammable (H226, H225, H224)	<ul style="list-style-type: none"> ■ Natural ventilation on request ■ Suitable for the legislation and requirements for the storage of flammable liquids ■ For activities inside the container (active storage): ■ With technical ventilation and weather proof cover ■ Optional monitoring the air outlet
Additional characteristics of the product.	<ul style="list-style-type: none"> ■ Equipment supplied according to the risk assessment ■ Contact us to find out about specific storage requirements.
 Products sensitive to temperature	<ul style="list-style-type: none"> ■ Walls and roof insulation are 50mm class B or class A material for flammable products ■ If required, cabinets available with with temperature monitoring ■ Technical ventilation necessary for the storage of flammable liquids ■ Containers larger than 4m wide, has even temperature and air distribution via an additional air circulation system (with impact protection).

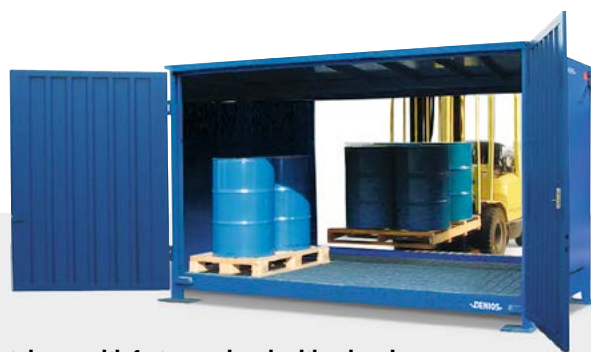
Choose from the most comprehensive range of equipment available on the market.

See page
290

General overview of the range

For each version there are insulated variants and / or extra deep units available.

On request: Special heights and storage of drums lying down for decanting are available. (Version A).



Containers with 1 storage level with wing doors

Length of CS containers available are from 3 to 4 meters for storage of drums, pallets and IBCs



Double level Drum and IBC stores with wing doors

Length of CS containers are available from 3 to 4 meters for storage of barrels, pallets and IBCs on 2 levels



Single level drum and IBC store with sliding doors

Single level drum and IBC store with sliding doors for the storage of large quantities of barrels, pallets and IBCs, easy to access, 6 - 12 meter long stores are available.



Double level containers with sliding doors

For storing large quantities in drums or IBCs on 2 levels, available with a length from 6 - 12 meters

Guidelines for storing flammable liquids

(flash point $\leq 60^\circ \text{C}$, classes H226, H225 and H224)

- Respect the safety distances
- Establish the earth bonding (earthing connection available); take some lightning protection measures if necessary.
- Comply with country specifications for air exchange rates.
- Compliance in line with HSE guidelines (DSEAR) and Environment Agency guidelines.



Structural analysis

- Static according to Eurocode 3 (EN 1993) for a characteristic wind load with velocity pressure q_k , $w = 0.585 \text{ kN/m}^2$ and a characteristic snow load of the ground $s_k = 2.5 \text{ kN/m}^2$
- Static sufficiently dimensioned according to EN 1998-1: 2004 for seismic zone 3

Making use of the space

Hazmat storage container with shelving SC can be filled with drums, palletised goods on Euro or chemical pallets or with IBCs/ KTCs. Mixed storage or storage of drums directly on the grids is also possible. Access underneath (100 mm ground clearance) allows the hazmat store to be loaded using a hand guided electric forklift for example. The extra-deep version offers maximum storage capacity for loading on both long sides.

DENIOS innovation



SpillGuard®

Leak sensor

The first leak sensor of its kind: fully autonomous, ready to use and can be fitted to any type of spill pallet. Leaked hazardous liquids in the spill pallet are reliably detected and notified, before more serious damage can occur - and you gain valuable time for cleaning up. Installation is easier than ever: simply switch on, put into position and you're safe!

Order no. 271-433-J1

Base design

The technical room system has a tested, single-piece, water law compliant, 5 mm spill pallet (up to density 1.9 g/cm³) and has grids as a loading surface. Optionally available with 3 mm spill pallet (to density 1.0 g/cm³). When equipped with a PE inliner, galvanised fluid guides all around ensure any leaked fluids are safely diverted to the spill pallet. The removable grids meet the guidelines for quality and tests RAL GZ 638. Load capacity up to 4000 kg.



Shelf supports

The basic version has grids on each storage level. Special versions: equipment for horizontal drum storage, conveyors for flow-through and slide-in storage, storage rails or trolley rail systems

If fire resistance (F 90) from inside and outside is required for the hazmat store, DENIOS fire-rated stores are ideal, e.g. hazmat storage container with shelving RFP.

See page
250-251



Go online! Discover even more exciting product highlights!

» www.denios.co.uk



SC 2K 726 hazardous goods storage system with thermal insulation, circulating air heating and sliding doors in extra deep design

Electrical equipment

Your hazmat store can be fitted with power sockets and lighting if required. In the standard version, the central power connection uses a sub-distribution unit. With a more elaborate electrical set-up, e.g. with technical ventilation, we can provide a switch cabinet with control and operating elements if required.

NEW!

Roof heating systems

Roof heating systems for hazmat stores can be installed with an external temperature sensor and a controller. Heating of the roof surface helps to prevent a build up of snow, so snow clearing does not have to be carried out. Heated rain channels also remain frost-free in sub-zero temperatures ensuring optimum drainage.

The roof heating systems have a high efficiency with uniform heat transfer. The energy load is small and sufficient for 5-10°C. Temperature regulation can be adjusted at any time. Roof heating systems are silicon-free so ideal for installation in paint shops or the automotive industry.



Order no. 272-100-J1



Variant configurator

The equipment selected for your hazmat store will be individually selected for you. If required, we can offer on-site advice and use our DENIOS developed software, the Variant Configurator, to create a storage solution especially for your needs.

Choose from the most comprehensive range of equipment available on the market.

See page
264

Optimized Storage containers for mixed storage of drums, pallets and IBCs

Optimized for the combined storage of drums, pallets and IBCs of 1000 liters. Meeting required sump volume capacities in-line with current legislation.

i There are many options to customize your multi-tier storage container. Such as ventilation systems to guarantee efficient air recirculation, air conditioning systems and insulated version for storing temperature sensitive products. Or even a canopy to provide better protection against bad weather.

1 Level Storage

With insulated panels or an air-conditioning system, the DENIOS storage containers are suitable for frost-free storage of products and products that are temperature sensitive.

See page
298



Storage container without doors, 4 meters long, also available with wing doors

Model	Property	Number of storage levels	Dimensions EXT. W x D x H [mm]*	Bay dimensions W x D x H [mm]	Sump capacity [l]	Load capacity [kg/m ²]	Storage capacity IBC / CP / EP / drum
1G 314	Standard design	1	3125 x 1640 x 2765	3000 x 1280 x 2290	1000	1000	2 / 2 / 3 / 8
1P 414	Standard Design	1	4025 x 1640 x 2765	3900 x 1280 x 2290	1200		3 / 3 / 4 / 12

*The actual dimensions of the container vary depending on the choice of door option

- With integrated steel retention sump, wall thickness: 5 mm
- 100 mm ground clearance, allowing the use of machines to access underneath
- With lifting eyes for easy unloading
- Container width from 3-4 meters
- Optional with wing doors or without doors

Special versions hazmat storage container with shelving SC

See page
264



2 Level Storage



2GK 614.0 Container with sliding doors, optimized for storage of drums directly onto grids,

Model	Property	Number of storage levels	Dimensions EXT. W x D x H [mm]*	Bay dimensions W x D x H [mm]	Sump capacity [l]	Load capacity [kg/m ²]	Storage capacity IBC / CP / EP / drum
2GK 314	Standard design	2	3125 x 1640 x 3450	3000 x 1280 x 1300	2000	1250	4 / 4 / 6 / 16
2PK 414	Standard Design	2	4040 x 1590 x 3573	3900 x 1280 x 1300	3000		6 / 6 / 8 / 24

*The actual dimensions of the container vary depending on the choice of door option



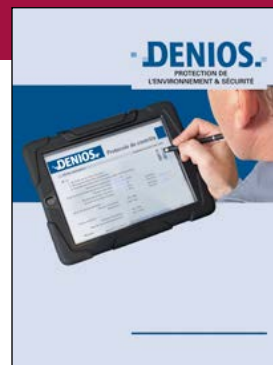
Optimized Storage Containers for mixed storage

- Container width of 6, 8 or 12 meters
- Optional with sliding doors or without doors
- Optimized for the combined storage of drums, pallets and IBCs of 1000 liters. Meeting required sump volume capacities in-line with current legislation

1 Level Storage

i DENIOS Service

- Customer Service
- Transport and logistics
- On-site commissioning and installation
- After Sales Service
- Maintenance



1 Storage Level container 1 G 614, without doors

Special versions

All models shown are also available in special bespoke versions:

- Extra-deep designs for maximum storage capacity (can be loaded from both long sides)
- Roller door option
- Special thermal insulation for frost-free storage of temperature-sensitive substances
- Up to 50% containment volume for use in water protection areas
- Horizontal drum storage

Model	Features	Number of storage levels	Dimensions EXT. W x D x H [mm]*	Dim. Each Int Compartment W x D x H [mm]	Sump Volume [l]	Load capacity [kg/m²]	Storage capacity IBC / CP / EP / drum
1G 614	Standard Design	1	6245 x 1640 x 2765	3000 x 1280 x 2290	2000	1000	4 / 4 / 6 / 16
1P 814	Standard Design	1	8045 x 1640 x 2765	3900 x 1280 x 2290	3000	1000	6 / 6 / 8 / 24
1P 1214	Standard Design	1	12060 x 1640 x 2765	3900 x 1280 x 2290	4500	1250	9 / 9 / 12 / 36

*The actual dimensions of the container vary depending on the choice of door option



- With integrated steel retention sump, wall thickness: 5 mm
- 100 mm ground clearance, allowing the use of machines to access underneath
- With lifting eyes for easy unloading

2 Level Storage



Storage container for large quantities with a total length of 12 meters, with sliding doors

With insulated panels or an air-conditioning system, the DENIOS storage containers are suitable for frost-free storage of products and products that are temperature sensitive.

See page
276



Model	Property	Number of storage levels	Dimensions EXT. W x D x H [mm]*	Bay dimensions W x D x H [mm]	Sump Volume [l]	Load capacity [kg/m ²]	Storage capacity IBC / CP / EP / drum
2GK 614	Standard Design	2	6245 x 1640 x 3465	3000 x 1280 x 1300	4000	1250	8 / 8 / 12 / 32
2PK 814	Standard Design	2	8045 x 1640 x 3465	3900 x 1280 x 1300	6000	1250	12 / 12 / 16 / 48
2PK 1214	Standard Design	2	12065 x 1640 x 3465	3900 x 1280 x 1300	9000	1250	18 / 18 / 24 / 72

*The actual dimensions of the container vary depending on the choice of door option

Special versions for maximum storage capacity - custom made solutions

The hazmat storage system container (SC) with shelving can be offered with increased storage capacity with a third storage level and extra depth. This means you'll get the most from your storage system. The extra-deep version is accessible from both sides for easy loading and unloading. The extra-high versions are supplied in sections and assembled and commissioned on site by our trained specialist personnel.



Special version with roller shutter door

Wing doors need a lot of room to open. Fitting the storage container with a roller shutter door is an ideal solution if there is limited space available. As an option, roller shutter doors may also be fitted to the rear of the system. This makes it possible to load containers from both sides. Opening and closing by remote control is also available as an option.



Special version for horizontal drum storage

Horizontal drum storage offers a space-saving solution for direct dispensing. Each drum is positioned on storage rails and is able to be accessed for dispensing by the user. The drums can be stored in various ways: using stacking racks or stacking pallets or by using drum storage shelves.



Horizontal drum storage on drum racks



Horizontal drum storage in walk-in hazmat store SC



Combined storage of horizontal and standing drums

Order at the same time

Drum roller for horizontal drums

On request

Order no.
114-542-J1



Pull-out drum supports for easy loading for horizontal drum storage

On request

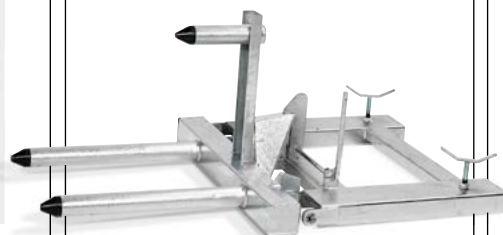
Order no.
115-437-J1



Drum gripper model RLN, for 1 x 205 litre drum

On request

Order no.
115-289-J1



Dispensing tray in steel, dimensions W x D x H (mm): 280 x 270 x 300

On request

Order no.
114-543-J1



EXPERTISE

EXPERT ADVICE

SERVICE

WORLDWIDE FIRE PROTECTION EXPERTISE

Customised, certified, unparalleled.

Fire-rated hazmat stores are used where safety distances can't be observed or a structural fire compartment must withstand a prescribed fire resistance duration. In Germany a fire resistance duration of 90 minutes (F 90) is prescribed. In Europe requirements up to 120 minutes (REI 120) can be binding in some cases.

DENIOS fire-rated stores offer preventive fire protection (F 90 from inside and out) thanks to a stable double frame design and fire-rated panels. International requirements for 120 minutes fire resistance (REI 120) can also be met with a corresponding design. An unrivalled number of options for equipment can be used to adapt the hazmat store to your precise requirements. The legally-compliant design of the complete system is accredited and tested, confirmed and certified by independent test institutes. As fire protection is an all-embracing theme, our diverse team of experts can ensure you receive comprehensive service with the usual DENIOS quality.

Made to measure. Like no other

With over 30 years' experience as a developer and manufacturer of systems for fire-rated hazardous materials storage, we know exactly what is needed in practice. From needs-based storage capacity to comprehensive equipment options, to solutions meeting all the required fire protection classes across Europe: you'll find we have the fire-rated storage container which exactly meets your needs.

Our expert team would be happy to help you plan and equip your fire-rated storage cabinet in detail - on-site if needed!

Your custom fire-rated storage container is just a few clicks away - our field representatives have access to modern, mobile communications media. With the help of the Variant Configurator software developed by DENIOS, they can advise customers on site, designing a customised storage system at the same time. Your fire-rated storage container can be configured with just a few clicks, including a visualised result and a guideline price.

DENIOS Fire Rated Storage Containers – Fire Proof Storage From The Experts!



www.denios.co.uk/fireprotection



DIBt - General Technical Approval with 90 minute fire protection

In accordance with German building law a room system with fire protection is classed as a so-called unregulated building product. General Technical Approval must be obtained for this type of building product. This is given by the Deutsches Institut für Bautechnik (DIBt). General Technical Approval gives reliable proof of the suitability of DENIOS products for storing hazardous substances in accordance with the applicable regulations. The approval is based on tested structural analysis. These points are all benefits, which show that you are choosing a tested system which has been recognised by the authorities. The approval process is handled quickly and efficiently, so that you can start using your fire-rated storage container as soon as possible.



Certified. As a whole system

Our promise as a developer and manufacturer of technical room systems is to offer you internationally legally-compliant safety when it comes to fire protection. Our technical room systems therefore meet all the required fire protection classes in Europe. The conformity of our fire-rated storage containers is confirmed by accredited, independent test institutes.

A fire-rated storage container must be reliable as a whole and able to withstand the effects of fire in various ways. So testing the individual components of our room systems and having them certified is still not enough. DENIOS fire-rated stores are always tested as a complete system. This means that your company assets and your employees are given the best protection, which is important for your insurers. Construction approvals are also significantly shortened if the fire-rated store already meets the necessary standards and doesn't need to be individually inspected.

iBS Linz - REI 90 classification

The Institut für Brandschutztechnik und Sicherheitsforschung in Linz, is an independent test and certification body for building products and technical fire protection equipment. The iBS determines the fire resistance of building products to European standards and test methods using fire resistance and fire behaviour tests. The load capacity, integrity and thermal insulation of the room system are determined in accordance with EN 13501-2 and a classification provided for the complete system. An official test report certifies the fire resistance determined and serves as proof for approval authorities and insurers. DENIOS fire-rated stores are classified as REI 90 by iBS Linz and are therefore suitable for use in all European countries which specify REI 90 fire protection or lower.

Unparalleled. Wide ranging

Working with DENIOS, you'll benefit from our professional, international team of over 1000 experts. With local branches, we're at hand in Europe and across the world. We would be happy to offer personal advice on your optimum solution. Not everything can be solved by a telephone call. That's why it's important to us to be able to offer on-site advice. We're happy to come to your site to carry out a professional needs analysis and to support you with finding the right solution. Our long years of experience can help you find the optimum fire-rated store. We can help with the process of dealing with approval bodies and insurers with our long experience and comprehensive, recognised documentation. If your fire-rated store is already in operation, you're not left on your own. Our technicians know all there is to know about DENIOS fire-rated stores and can take over regular maintenance for you. This leaves you free to concentrate on your business - we'll look after the rest.

Book your appointment now!

Efectis France - REI 120 classification

To classify a fire protection system as REI 120, it must withstand a minimum of 120 minutes of fire for load capacity, integrity and thermal insulation. DENIOS fire-rated stores have passed the strictest Efectis fire tests in accordance with EN 13501-2. With a laboratory which has been accredited for over 40 years, Efectis France is a recognised body for certifying and testing fire protection products. An official test report certifies the REI 120 classification of our room system in countries with particularly strict fire protection requirements.



Flexible for various applications!
Fire-rated storage containers are suitable for indoor and outdoor use. They can be used to create a separate fire-rated storage room within the production area, or as an outdoor fire protection store, for example.



Fire protection (in Germany)



Fire protection (in Europe)



Fire protection (in Europe)



We also offer solutions for the non-European market. Just get in touch!

Fire-rated storage container WFP - Superb cabinet with outstanding fire protection

WFP walk-in fire-rated storage container offers almost limitless ways to use the space for storing flammable liquids. Thanks to its fire protection approval, the room system can be integrated directly into your infrastructure without the need for safety distances, either indoors or outdoors.

m²

Storage area:
approx. 7 to 22 m²



On request

Order no. 265-966-J1

Walk-in fire-rated storage container WFP-X 14
with 14 m² floor area

DIBt
GENERAL
CONSTRUCTION
APPROVAL
DIBt Deutsches Institut
für Bautechnik, Berlin

Z-38.5-292 (for Germany)

IBS REI90
CLASSIFICATION
report No.
316 102 803-A

Fire protection (in Europe)

LABORATORY ASSESSMENT

Efectis
REI 120

No. EFR-17-00 1909-B

Overview of advantages

- Tested and approved as a complete system with 90 minute fire protection (F 90) from inside and outside
- International designs meeting country-specific legislation, (e.g. REI 120 for ES, IT, PL, FR)
- Suitable for the storage, dispensing or removal of flammable and water-polluting substances
- Install directly next to the external wall of neighbouring buildings or as a fire-rated separate area, e.g. in a production hall
- Long-lasting corrosion protection with the use of pre-galvanised base material and high-quality 2K paint



Basic version

Even the basic version of fire-rated storage container WFP is approved for the storage, dispensing or removal of water-polluting and flammable substances.




Basic equipment includes:

- Tested, one-piece spill pallet with large containment volume
- External cladding in fire protection panels (A class material) with high insulation properties: material thickness 100 mm, U = 0.36 W / (m²K)
- Support frame made of hot dip galvanised base material
- EI₂ 90-C doors meeting EN 13501-2, tested to EN 1634-1, or country-specific version
- 1-wing door (W x H: 1,250 x 2,000 mm) or 2-wing door (W x H: 2,000 x 2,000 mm), either on the short or long side of the store in the steps provided
- For 2-wing doors, a door sequence controller ensures the doors close reliably
- Security lock for protection against unauthorised access
- Removable crane eyes for safe use with a crane and transport safety device

Description	Storage area [m ²]	Sump capacity [l]	Body dimensions W x D x H* [mm]	Internal dimensions W x D x H [mm]	Weight* [kg]	Certified fire protection
WFP-M 6	7	930	3018 x 2784 x 2655	2580 x 2560 x 2280	2370	F 90 / REI 90 / REI 120
WFP-M 14	14	1980	5938 x 2878 x 2789	5500 x 2560 x 2280	3622	
WFP-X 6	7	930	3018 x 2784 x 2875	2580 x 2560 x 2500	2438	
WFP-X 10	10	1450	4478 x 2784 x 2921	4040 x 2560 x 2500	3054	
WFP-X 14	14	1980	5938 x 2878 x 3009	5500 x 2560 x 2500	3721	
WFP-X 22	22	3000	8858 x 2878 x 3009	8420 x 2560 x 2500	4995	

Note: Dimensions and weights without equipment. Technical changes reserved.
*without equipment

Designs according to substance properties

	Corrosive	<ul style="list-style-type: none"> Equipped with PE or stainless steel inliner
	Flammable (H226, H225, H224)	<ul style="list-style-type: none"> Equipped with technical ventilation If necessary, equipped with air extraction monitoring The pre-requisites for storing flammable liquids must be observed
All other hazardous substance properties		<ul style="list-style-type: none"> Equipment in accordance with risk assessment. Speak to us about special storage provisions.
	Temperature-sensitive substances	<ul style="list-style-type: none"> The fire protection panels have high insulation properties in the standard Optional: frost-free (heated / air-conditioned) version

Prerequisites for storing flammable liquids



(Flashpoint $\leq 60^\circ\text{C}$, classified as H226, H225 or H224)

- Create equipotential bonding (earthing) (connection point provided); if required provide lightning protection
- Country-specific requirements for air exchange rate
- Compliant with DSEAR (2002)
- Compliant with ATEX Directive 2014/34/EU

Structural analysis

- Structural analysis to Eurocode 3 (DIN EN 1993) measured for a characteristic wind load with a dynamic pressure of $q_{k,w} = 0.585 \text{ kN/m}^2$ and a characteristic ground snow load of $s_k = 2.5 \text{ kN/m}^2$
- Structural analysis sufficiently measured in accordance with DIN 4149/EN 1998-1:2004 for earthquake zone 3
- Available with additional equipment for up to wind load zone 4, terrain category I ($q_{k,w} = 1.064 \text{ kN/m}^2$) and for up to ground snow load $s_k = 5.86 \text{ kN/m}^2$

DENIOS hazmat days

Make your employees aware of how to handle hazardous substances on a day-to-day basis. The expert DENIOS team can offer support with all matters concerning the storage of hazardous materials, whether this is for a concrete requirement or via DENIOS hazmat days with technical lectures and practical demonstrations. We would be pleased to arrange a specific appointment for your company. Other dates, including trade fairs, can be found at www.denios.co.uk.

DENIOS
ACADEMY

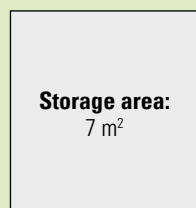


Designs

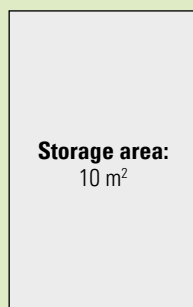
The walk-in fire-rated storage container WFP range offers 2 different types of container:

- WFP-M – internal height 2280 mm
- WFP-X – internal height 2500 mm

WFP-M 6
WFP-X 6



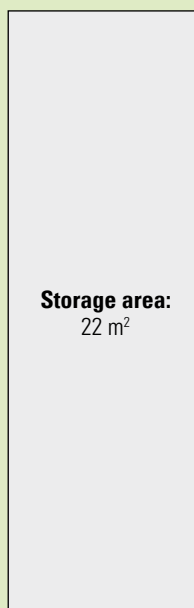
WFP-X 10



WFP-M 14



WFP-X 22



If outdoor installation is planned and there is sufficient distance from fire loads, a hazardous materials store without fire protection may be used if needed e.g. walk-in hazmat store MCV

See page
222



Making use of the space

Whenever small containers need to be stored, the walk-in version of the hazmat storage container is ideal. With built-in shelves you ensure a comfortable and clear layout. If you want to store drums and IBCs too, the floor can also be used as a storage surface (load capacity: 1000 kg/m²).

The optionally available shelves are 500 mm deep and available in three widths: 750, 1000 and 1300 mm. They are suitable for a shelf load per storage level of 200 kg* (Bay load: 800kg).

*Shelf load valid for an evenly distributed load.

Storage and test rooms for lithium-ion energy storage devices

The walk-in room solution WFP is ideal as a store or test room for lithium energy storage devices. With fire protection from inside and outside (F 90 / REI 90 / REI 120) the requirements of the VdS for the safe storage of lithium energy storage devices are met. Using suitable equipment, the room can be made into a store for smaller sized modules. You can also create a safe, convenient space for charging batteries. The room system can also be used as a temporary store for faulty batteries. Customised versions of the test room have also been successfully used for battery and equipment manufacturers as well as test laboratories.

Storage and test rooms for lithium
energy storage devices

See page
256-257



NEW - Think Green!

Roof greening

Use your green fingers and increase the insulation value of your hazardous materials store at the same time.

A living layer of insulation for the roof of the store makes a significant contribution to the environment, increasing insects, retaining rainwater and binding fine dust. The attractive design brings a sense of wellbeing. Your hazardous materials store will be fitted with a tray on the roof, including basic filler and planting. The rot-proof basic filler protects the roof seal and also has a separation and water storage function.

For the basic planting, make a selection from different planting options, for example perennials and ground cover or grasses and shrubby plants.



Order no. 272-073-J1

Order at the same time

The Living Walls by degardo® planting systems bring life and an enhanced environment to even the most dreary or industrial landscapes. Find out more about greening options at www.degardo.com and / or order a brochure now!



Autonomous energy supply

The solar panel on the roof of the hazmat store is a practically inexhaustible and emission-free energy source. Makes a contribution to climate protection.



i Roof drainage channels rain water to the frame running around the edge and drains it away on the short sides either to the left or the right.



Rear view of WFP-M 14 with climate controlled (frost-free) version



Frost-free hazmat storage containers

From page
272

Pressure relief panels

A pressure relief panel can be fitted in the roof area to relieve pressure in the event of an explosion. It will close again automatically when the pressure wave has been dissipated to seal the store so that the fire protection properties are maintained. This has been successfully demonstrated in a 120 minute long fire test.



We recommend: Door hold-open device

An electromagnet holds the doors open. When the door closing button is operated or if there is an alarm, the power to the electromagnet is cut. The door is then closed by the upper door closer.

Order no. 272-097-J1



Electrical equipment

Your hazmat store can be fitted with power sockets and lighting if required. In the standard version, the central power connection uses a sub-distribution unit. With a more elaborate electrical set-up, e.g. with technical ventilation, we can provide a switch cabinet with control and operating elements if required.

Variant configurator

The equipment selected for your hazmat store will be individually selected for you. If required, we can offer on-site advice and use our DENIOS developed software, the Variant Configurator, to create a storage solution especially for your needs.

Choose from the most comprehensive range of equipment available on the market.

See page
264



Fire-rated storage container RFP 115 - the compact solution

Not every company needs a large store for housing hazardous substances. Fire-rated storage container RFP 115 offers a sturdy, fire-rated design with minimal footprint. If desired, the room system is available with a variable number of fixed or pull-out shelves – for optimum use of the inner space according to your needs.



For up to 4 drums
or 1 KTC / IBC



Basic version

- Integral steel spill pallet with removable hot dip galvanised grids
- As standard with an equipotential bonding connection point for avoiding static charges
- Lockable, self-closing 1-wing fire-rated door (1350 x 2000 mm), EI₂90-C in accordance with EN 13501
- Delivered ready assembled, ready for the customer to secure to the ground
- Crane eyes for easy unloading

On request

Order no. 265-965-J1

Fire-rated storage container RFP-S 115-10, with technical ventilation, switch cabinet and door hold-open system

Overview of advantages




- Approved for the storage of water-polluting and flammable substances, if required with technical ventilation depending on application
- Fire resistance of 90 minutes (F 90 / REI 90) for internal and external fire loads
- International designs meeting country-specific legislation, e.g. REI 120
- Flexible installation indoors or outdoors with no need for safety distances
- Often used for direct access to IBCs, drums or small containers near work stations as it only has a small footprint



Description	Storage capacity IBC / CP / EP / Drum	Sump capacity [l]	Body dimensions W x D x H* [mm]	Bay dimensions W x D x H [mm]	Weight* [kg]	Certified fire protection
RFP 115-2	0 / 1 / 1 / 4	349	1566 x 1526 x 2085	1267 x 1480 x 1958	1075	F 90 / REI 90 / REI 120
RFP 115-10	1 / 1 / 1 / 4	1100	1566 x 1526 x 2085	1267 x 1480 x 1411	1075	

Note: IBC = Intermediate Bulk Container, 1000 l · CP = Chemical pallet for 4 x 205 litre drums · EP = Euro pallet for 2 x 205 litre drums · Drum = 205 litre drum directly on the grid
Dimensions and weights without equipment. Technical changes reserved.
*without equipment

Designs according to substance properties

	Corrosive	<ul style="list-style-type: none"> Equipped with PE or stainless steel inliner
	Flammable (H226, H225, H224)	<ul style="list-style-type: none"> Equipped with technical ventilation If necessary, equipped with air extraction monitoring The pre-requisites for storing flammable liquids must be observed
All other hazardous substance properties		<ul style="list-style-type: none"> Equipment in accordance with risk assessment. Speak to us about special storage provisions.
	Temperature-sensitive substances	<ul style="list-style-type: none"> The fire protection panels have high insulation properties Optional: frost-free (heated / air-conditioned) version

Prerequisites for storing flammable liquids

(Flashpoint $\leq 60^\circ\text{C}$, classified as H226, H225 or H224)



- Create equipotential bonding (earthing) (connection point provided); if required provide lightning protection
- Country-specific requirements for air exchange rate
- Compliant with DSEAR (2002)
- Compliant with ATEX Directive 2014/34/EU

Structural analysis

- Structural analysis to Eurocode 3 (DIN EN 1993) measured for a characteristic wind load with a dynamic pressure of $q_{k,w} = 0.585 \text{ kN/m}^2$ and a characteristic ground snow load of $s_k = 2.5 \text{ kN/m}^2$
- Structural analysis sufficiently measured in accordance with DIN 4149/EN 1998-1:2004 for earthquake zone 3
- Available with additional equipment for up to wind load zone 4, terrain category I ($q_{k,w} = 1.064 \text{ kN/m}^2$) and for up to ground snow load $s_k = 5.86 \text{ kN/m}^2$

Choose from the most comprehensive range of equipment available on the market.

See page
264

Overview of the product range



RFP 115-2

For up to 4 x 205 litre drums (shelves optional)



RFP 115-10

For 1 IBC or up to 4 x 205 litre drums

If outdoor installation is planned and there is sufficient distance from fire loads, a hazardous materials store without fire protection may be used if needed e.g. compact hazmat store SolidMaxx.

See page
226-227



Making use of the space

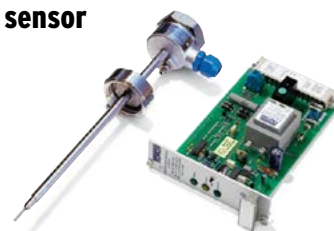
Compact fire-rated store RFP 115 offers storage capacity for up to 4 drums, pallet goods on a Euro or chemical pallet or for 1 KTC / IBC. Mixed storage or storage of drums directly on the grid is also possible. The storage levels can be fitted with pull-out shelves in order to optimise working processes. The fire-rated store can be locked from the outside to prevent unauthorised access.

Electrical equipment

Your hazmat store can be fitted with power sockets and lighting if required. In the standard version, the central power connection uses a sub-distribution unit. With a more elaborate electrical set-up, e.g. with technical ventilation, we can provide a switch cabinet with control and operating elements if required.

We recommend:

Leak sensor



A leak sensor in the spill pallet notifies you of any leaks in the storage container quickly and safely. An audible and/or visible signal means that countermeasures can be taken quickly.

Explosion-proof designs are optionally available.



Ex-proof design

As an operator you will need to define Ex zones if an Ex zone is present. We offer all equipment which could represent a potential source of sparks in the Ex zone in the corresponding protected version.



Cable/pipe breakthrough points

Fire-rated storage containers often have equipment which needs breakthrough points for pipes etc. Ready made solutions are available, which prevent the ingress of water and dirt and also guarantee fire protection.

Choose from the most comprehensive range of equipment available on the market.

See page
264



Alarm systems, warning lights and sirens



Use these warning lights for fire warning or for system monitoring e.g. for measurement data such as air extraction monitoring (controls the air flow) or air humidity. There are various solutions - talk to us to find out more!

System monitoring



DENIOS offers many monitoring and warning systems for monitoring temperature, air extraction and air humidity as well as protection against gases which pose a risk to health using gas detection.

Explosion-proof designs are optionally available.





Door dampers

The optionally available door damper system ensures the doors close gently.

Order no. 272-099-J1

SOFT-CLOSE
»»»



Fire-rated storage container RFP-S 115-10, with technical ventilation, switch cabinet and door hold-open system

Heating / air conditioning

The standard fire protection panels have high insulation properties. With the frost-free version you will receive a legally-compliant, protected store (external -15°C, internal +5°C) for temperature-sensitive liquids. We would be happy to help you plan your frost-free fire-rated storage container.



Fire-rated hazardous material cabinets for installation in buildings

See page
156



Your service partner

DENIOS storage systems will usually be delivered fully assembled and ready to use. Just ask if you would also like the DENIOS assembly team to unload and professionally install your product for you. In addition, your employees will be trained on all the safety aspects of your storage container and its operation. Please ask for details of our cost-effective packages and what they cover.



Find out more about our service offering

See page
278

Fire-rated store RFP - the spacious fire protection solution

Fire-rated storage container RFP is the best solution when larger quantities of hazardous substances or larger containers need to be accommodated. An integrated heavy duty rack with adjustable shelves allows the best possible use to be made of the inner room: e.g. individual storage or storage in boxes, on pallets or special carrier frames.



For up to 32 drums
or 8 KTCs / IBCs

DIBt

GENERAL
CONSTRUCTION
APPROVAL
DIBt Deutsches Institut
für Bautechnik, Berlin

Z-38.5-292 (for Germany)

IBS

REI90
CLASSIFICATION
report No.
316 102 803-A

Fire protection (in Europe)

LABORATORY ASSESSMENT

Efectis
REI 120

No. EFR-17-00 1909-B

On request

Order no. 265-967-J1

Fire-rated storage container with shelving RFP 615.30
with access underneath with concrete pad



Overview of advantages

- Tested and approved as a complete system with 90 minutes fire protection (F 90) from inside and outside
- International designs meeting country-specific legislation (e.g. REI 120 for ES, IT, PL, FR)
- Suitable for the storage, dispensing or removal of water-polluting and flammable substances
- Install directly next to the external wall of neighbouring buildings or as a fire-rated separate area, e.g. in a production hall
- Galvanised components with two layers of paint give long lasting corrosion protection

Basic version




Even the basic version of fire-rated storage container RFP is approved for the storage, dispensing or removal of water-polluting and flammable substances. Basic equipment includes:

- Tested, one-piece spill pallet with large containment volume
- External cladding in fire protection panels (A class material) with high insulation properties: material thickness 100 mm, $U = 0.36 \text{ W} / (\text{m}^2\text{K})$
- Support frame made of hot dip galvanised base material
- With 2-wing door on the long side EI₂ 90-C door meeting EN 13501-2, tested to EN 1634-1, or country-specific version
- A door sequence controller ensures the doors close reliably
- Door opening angle: 90°, 102°, 115°, 128°
- Door dimensions:
 - Models 315.20 and 615.20: 3,000 x 2,000
 - Models 315.30 and 615.30: 3,000 x 3,000
- Security lock for protection against unauthorised access
- Removable crane eyes for safe use with a crane and transport safety device

	Description	Storage capacity IBC / CP / EP / Drum	Sump capacity [l]	Body dimensions W x D x H* [mm]	Bay dimensions W x D x H [mm]	Bay dimensions top W x D x H [mm]	Weight* [kg]	Certified fire protection
	RFP 315.20	2 / 2 / 3 / 8	1400	3660 x 1784 x 2630	2917 x 1440 x 1954	—	2500	F 90 / REI 90 / REI 120
	RFP 315.30	4 / 4 / 6 / 16	1400	3660 x 1784 x 3575	2700 x 1440 x 1350	2700 x 1240 x 1400	3100	
	RFP 615.20	4 / 4 / 6 / 16	2800	6882 x 1784 x 2649	2917 x 1440 x 1954	—	4400	
	RFP 615.30	8 / 8 / 12 / 32	2800	6882 x 1784 x 3594	2700 x 1440 x 1350	2700 x 1240 x 1400	5600	

Note: IBC = Intermediate Bulk Container, 1000 l · CP = Chemical pallet for 4 x 205 litre drums · EP = Euro pallet for 2 x 205 litre drums · Drum = 205 litre drum directly on the grid
Dimensions and weights without equipment. Technical changes reserved.
*without equipment

Designs according to substance properties

 Corrosive	<ul style="list-style-type: none"> Equipped with PE or stainless steel inliner
 Flammable (H226, H225, H224)	<ul style="list-style-type: none"> Equipped with technical ventilation If necessary, equipped with air extraction monitoring The pre-requisites for storing flammable liquids must be observed
All other hazardous substance properties	<ul style="list-style-type: none"> Equipment in accordance with risk assessment. Speak to us about special storage provisions.
 Temperature-sensitive substances	<ul style="list-style-type: none"> The fire protection panels have high insulation properties Optional: frost-free (heated / air-conditioned) version

Choose from the most comprehensive range of equipment available on the market.

See page
264

Overview of the product range

RFP 315.20



For up to 8 x 205 litre drums or 2 IBCs

RFP 315.30



For up to 16 x 205 litre drums or 4 IBCs, accessible underneath

RFP 615.20



For up to 16 x 205 litre drums or 4 IBCs, accessible underneath

RFP 615.30



For up to 32 x 205 litre drums or 8 IBCs

Structural analysis

- Structural analysis to Eurocode 3 (DIN EN 1993) measured for a characteristic wind load with a dynamic pressure of $q_{k,w} = 0.585 \text{ kN/m}^2$ and a characteristic ground snow load of $s_k = 2.5 \text{ kN/m}^2$
- Structural analysis sufficiently measured in accordance with DIN 4149/EN 1998-1:2004 for earthquake zone 3
- Available with additional equipment for up to wind load zone 4, terrain category I ($q_{k,w} = 1.064 \text{ kN/m}^2$) and for up to ground snow load $s_k = 5.86 \text{ kN/m}^2$

Access underneath

For the version which is accessible underneath, the store is set on a separately supplied concrete pad. It can then be easily accessed and loaded using a high lift truck for example. The wide version of the store has two concrete pads of the same size.



Prerequisites for storing flammable liquids

(Flashpoint $\leq 60^\circ\text{C}$, classified as H226, H225 or H224)

- Create equipotential bonding (earthing) (connection point provided); if required provide lightning protection
- Country-specific requirements for air exchange rate
- Compliant with DSEAR (2002)
- Compliant with ATEX Directive 2014/34/EU



Making use of the space

Fire-rated storage container with shelving RFP can be filled with drums, palletised goods on Euro or chemical pallets or with IBCs/ KTCs. Mixed storage or storage of drums directly on the grids is also possible. A concrete foundation can be used to create access underneath if the hazmat store is to be loaded using a hand guided electric forklift for example. The extra-deep version offers maximum storage capacity for loading on both long sides.

Heating / air conditioning

The standard fire protection panels have high insulation properties. With the frost-free version you will receive a legally-compliant, protected store (external -15°C, internal +5°C) for temperature-sensitive liquids. We would be happy to help you plan your frost-free fire-rated storage container.



We recommend: Door hold-open device



An electromagnet holds the doors open. When the door closing button is operated or if there is an alarm, the power to the electromagnet is cut. The door is then closed by the upper door closer.

Order no. 272-097-J1

Electrical equipment

Your hazmat store can be fitted with power sockets and lighting if required. In the standard version, the central power connection uses a sub-distribution unit. With a more elaborate electrical set-up, e.g. with technical ventilation, we can provide a switch cabinet with control and operating elements if required.

NEW - Think Green!

Roof greening

Use your green fingers and increase the insulation value of your hazardous materials store at the same time.

A living layer of insulation for the roof of the store makes a significant contribution to the environment, increasing insects, retaining rainwater and binding fine dust. The attractive design brings a sense of wellbeing. To accommodate natural planting, we supply stainless steel (V2A) tray elements to match the room system for installation on the roof. Depending on the size of the room system, between 2 and 6 plant trays are included in the scope of delivery. Basic planting is done by the customer.



Order no. 272-073-J1

Storage of lithium energy storage devices

Storage container with shelving RFP is suitable as a storage room for lithium energy storage devices. With fire protection from inside and outside (F 90 / REI 90 / REI 120) the requirements of the VdS for the safe storage of lithium energy storage devices are met. The room system can even be used as an intermediate store for faulty batteries.



Storage and test rooms for lithium energy storage devices

From page
256-257

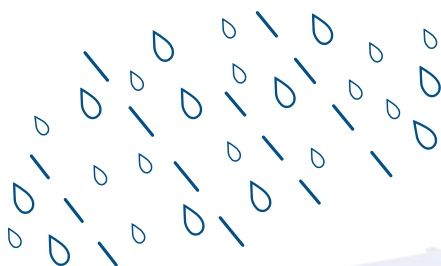
Storage of organic peroxides

Fire protection, explosion protection and maintenance of temperature limits: the DENIOS fire-rated storage container with shelving RFP is the first choice for the storage of organic peroxides. An expert opinion from Bundesanstalt für Materialforschung und -prüfung (BAM) confirms suitability.



Storage of organic peroxides

From page
258



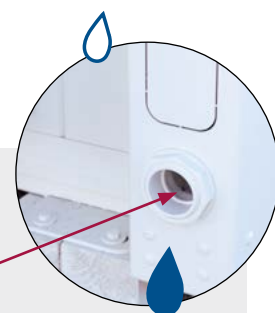
Choose from the most comprehensive range of equipment available on the market.

See page
264



Fire-rated storage container with shelving RFP 615.30

i Roof drainage channels rain water to the frame running around the edge and drains it away on the short sides either to the left or the right.



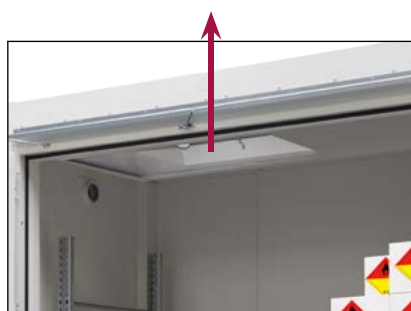
Shelves

It's not always a question of storing large containers. The room available inside the storage container can be best used with the addition of more shelving. Especially when small containers or batteries need to be stored, additional shelving creates better flexibility and more capacity.



Pressure relief panels

A pressure relief panel can be fitted in the roof area to relieve pressure in the event of an explosion. It will close again automatically when the pressure wave has been dissipated to seal the store so that the fire protection properties are maintained. This has been successfully demonstrated in a 120 minute long fire test.



Roof heating systems

Roof heating systems for hazmat stores can be installed with an external temperature sensor and a controller. Heating of the roof surface helps to prevent a build up of snow. Heated rain channels also remain frost-free in sub-zero temperatures ensuring optimum drainage.

Order no. 272-100-J1



Base design

The technical room system has a water law compliant, tested, single-piece, hot dip galvanised spill pallet with grids as a storage surface. The spill pallet offers excellent resistance to many liquids, for example oils, paints, alcohols, solvents or greases. When storing aggressive chemicals a plastic inliner in polyethylene (PE) or a stainless steel spill pallet ensure the legally required resistance. The gap between the spill pallet and the wall panels is flexibly sealed so that no liquid can penetrate the gap. The stable shelves (shelf load capacity up to 4100 kg) are equipped with removable hot-dip galvanised grids, which meet the guidelines for quality and tests RAL GZ 638. Hot dip galvanised footplates ensure the hazmat store is safely anchored to the foundation. A mounting kit is included in the delivery. A concrete pad can be provided separately if access underneath for a hand operated electric stacker is required. For the wide version, the store is fitted with two concrete pads of the same size.

Fire-rated storage container RFP SD - extra-large sliding doors for maximum storage capacity

Fire-rated storage container with shelving RFP SD with sliding doors offers fire protection for large quantities of hazardous substances, stored in IBCs or drums. Here, sliding doors offer two unbeatable advantages compared to wing doors: 1. There is no door opening radius, so the working area in front of the room system is not affected. When installed outdoors, there is therefore no risk of the doors slamming shut unintentionally due to wind loads. 2. The larger size of sliding doors offers up to 50% more storage capacity.

+50% storage capacity!

We are the only manufacturer on the market to offer 4.50 m wide fire-rated doors!



For up to 48 drums or
12 KTCs / IBCs



On request

Order no. 267-054-J1

Fire-rated storage container with shelving RFP 815.30 SD with sliding doors

Overview of advantages

- Open sliding doors give easier access to the fire-rated storage container than wing doors and improve logistical efficiency.
- The lockable, tested fire-rated doors close automatically when the fire detector is triggered
- Fire resistance up to 120 minutes for internal and external fire loads
- International designs meeting country-specific legislation
- Can be installed directly next to the external wall of neighbouring buildings or as a fire-rated separate area, eg in a production hall

Basic version




Even the basic version of fire-rated storage container RFP with sliding doors is approved for the storage, dispensing or removal of water-polluting and flammable substances. Basic equipment includes:

- Tested spill pallet with large containment volume
- External cladding in fire protection panels (A class material) with high insulation properties
- Tested fire-rated sliding doors meeting EN 1634, with manual or electrical operation by remote control
- Security lock for protection against unauthorised access
- Removable crane eyes for safe use with a crane and transport safety device

	Description	Storage capacity IBC / CP / EP / Drum	Containment volume [L]	Body dimensions W x D x H [mm]	Bay dimensions W x D x H [mm]*	Weight [kg]
	RFP 815.30 SD	12 / 12 / 16 / 48	2 x 2000	9342 x 2070 x 3594	3900 x 1440 x 1300	4900

Note: *Bay dimensions for lower bay with adjustable shelf. Bay depth for upper bay = 1235 mm. Bay dimensions without adjustable shelf on request. Dimensions and weights without equipment. Technical changes reserved.

Designs according to substance properties

 Corrosive	<ul style="list-style-type: none"> Equipped with PE or stainless steel inliner
 Flammable (H226, H225, H224)	<ul style="list-style-type: none"> Equipped with technical ventilation If necessary, equipped with air extraction monitoring The pre-requisites for storing flammable liquids must be observed
All other hazardous substance properties	<ul style="list-style-type: none"> Equipment in accordance with risk assessment. Speak to us about special storage provisions.
 Temperature-sensitive substances	<ul style="list-style-type: none"> The fire protection panels have high insulation properties Optional: frost-free (heated / air-conditioned) version

Prerequisites for storing flammable liquids



(Flashpoint $\leq 60^\circ\text{C}$, classified as H226, H225 or H224)

- Create equipotential bonding (earthing) (connection point provided); if required provide lightning protection
- Country-specific requirements for air exchange rate
- Compliant with DSEAR (2002)
- Compliant with ATEX Directive 2014/34/EU

Structural analysis

- Structural analysis to Eurocode 3 (DIN EN 1993) measured for a characteristic wind load with a dynamic pressure of $q_{k,w} = 0.585 \text{ kN/m}^2$ and a characteristic ground snow load of $s_k = 2.5 \text{ kN/m}^2$
- Structural analysis sufficiently measured in accordance with DIN 4149/EN 1998-1:2004 for earthquake zone 3
- Available with additional equipment for up to wind load zone 4, terrain category I ($q_{k,w} = 1.064 \text{ kN/m}^2$) and for up to ground snow load $s_k = 5.86 \text{ kN/m}^2$

Choose from the most comprehensive range of equipment available on the market.

See page
264

Making use of the space

Fire-rated storage container RFP with sliding doors can be filled with drums, palletised goods on Euro or chemical pallets or with KTCs / IBCs. Mixed storage or storage of drums directly on the grids is also possible.

Remote operation for sliding doors

The practical remote control allows electric sliding doors to be easily operated from the forklift, saving time.



The DENIOS Hazmat manual

The DENIOS Key Facts of the British Health & Safety Legislation 2020 is an essential source of knowledge for hazardous materials storage and legislation that governs it. This handy guide covers DSEAR, BS EN 14470-1, Ventilation and more.

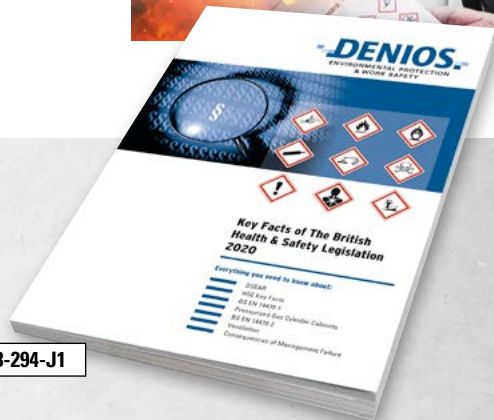
Order your FREE copy today!

Order no. 188-294-J1

DENIOS hazmat days

Make your employees aware of how to handle hazardous substances on a day-to-day basis. The expert DENIOS team can offer support with all matters concerning the storage of hazardous materials, whether this is for a concrete requirement or via DENIOS hazmat days with technical lectures and practical demonstrations. We would be pleased to arrange a specific appointment for your company. Other dates, including trade fairs, can be found at www.denios.co.uk.

DENIOS
ACADEMY



Storage of lithium ion energy storage devices

The hazard potential when incorrectly handling lithium energy storage devices is very high. Deep discharge, fire, chemical reactions, explosion of batteries in the worst-case scenario – each individual situation means a risk for workers, companies and the environment. And this may result in considerable financial losses and production downtime. Organisational and structural protective measures help to limit the potential hazards at an early stage. Technical room systems from DENIOS offer the right equipment you need for the safe storage of lithium energy storage devices and will withstand the enormous fire load should the worst happen.



"Storing and testing lithium-ion energy storage devices safely" brochure

Comprehensive expertise as well as additional information on our products, numerous equipment options and our service offering can be found in our "Storing and testing lithium energy storage devices safely" brochure. Order now: **01952 811 991**.



"Tips for handling lithium energy storage devices" guide

Have you seen it? Our online guide has more basic information and practical tips for handling lithium energy storage devices.



DENIOS hazardous materials cabinets for storing and charging lithium batteries offer the necessary 90 minutes fire protection from both sides.

Regardless of whether you are charging lithium batteries or storing faulty or new batteries, DENIOS offers the highest levels of safety with products which are easy to use.

See page
170





The walk-in storage solution WFP Li-Ion

You need a store for smaller sized modules, which don't need a forklift for loading and unloading. You might want to safely store a larger piece of equipment or an electric vehicle (e.g. prototype and test equipment). The storage room needs to fulfil an additional function - for example as an analysis laboratory, a convenient place to charge batteries or as a temporary store for dispatch or for storing faulty batteries. The walk-in fire-rated hazmat store WFP Li-Ion is the convenient solution for all these scenarios.



WFP walk-in fire-rated storage container

See page
242

m²

Storage area:
approx. 7 to 22 m²

Order no. 263-172-J1

The spacious shelving solution RFP Li-Ion

Fire-rated storage container with shelving RFP Li-Ion is the best option when larger quantities or larger-scale lithium energy storage devices need to be accommodated. An integrated heavy duty rack with adjustable shelves allows the best possible use to be made of the inner room. The loading surfaces are removable hot dip galvanised grids. They suit the most varied storage options, e.g. individual storage or storage in boxes, on pallets or special carrier frames. The room system offers the best possible access via 2-wing doors and optimal use of the room height for easy loading and unloading. The fire-rated storage container is also available in an extra-deep version for larger quantities of stored goods.



Fire-rated storage container with shelving RFP

See page
250

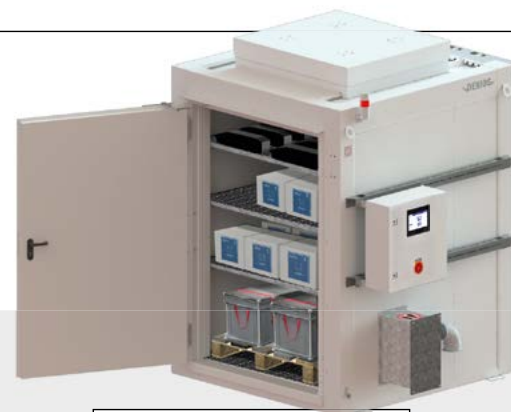


Storage capacity:
up to 24 EP

Order no. 263-173-J1

The compact storage solution RFP 115 Li-Ion

The space-saving solution for storing lithium energy storage devices: technical room system RFP 115 Li-Ion offers high DENIOS standards with minimal footprint. RFP 115 Li-Ion is available with a variable number of fixed or pull-out shelves – for optimum use of the inner space according to your needs.



Compact fire-rated storage container RFP 115

See page
246

Order no. 263-174-J1

Maximum storage capacity in RFP SD Li-Ion

The fire-rated storage container with shelving RFP Li-Ion with sliding doors offers fire protection for a large number of lithium energy storage devices. Here, sliding doors offer two unbeatable advantages compared to wing doors: 1. There is no door opening radius, so the working area in front of the room system is not affected. When installed outdoors, there is therefore no risk of the doors slamming shut unintentionally due to wind loads. 2. The larger size of sliding doors offers up to 50% more storage capacity.



Fire-rated storage container with shelving RFP

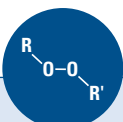
See page
254



Storage capacity:
up to 32 EP

Storage of organic peroxides

Organic peroxides are unstable, temperature sensitive, oxidising and sometimes potentially explosive compounds. Pure peroxides are used in industry, or they are mixed with additives or auxiliary materials. When storing these chemicals, the most stringent safety precautions must be taken as set out in Guidance Note CS21 (1998), published by the Health & Safety Executive (HSE). DENIOS peroxide stores have F 90 approval from Deutsches Institut für Bautechnik (DIBt) or REI 90 classification from IBS, an REI 120 classification from Efectis France or an expert opinion from Bundesanstalt für Materialforschung und -prüfung (BAM).



Risks
under control



Fire-rated storage container with shelving RFP 315.30
with climate control, fire protection F 90 (REI 90) and
pressure relief device in the roof

Special requirements, met perfectly

Organic peroxides pose a high risk of danger because they decompose under the influence of temperature or the effects of a catalyst. In order to minimise the risks when storing organic peroxides, a range of regulations must be observed when constructing a peroxide store, for example Guidance Note CS21 (HSE) for the Storage and Handling of Organic Peroxides. DENIOS offers fire-rated stores which are specially equipped for storing peroxides, and which meet these particular legal requirements.



Minimise safety distance

Buildings and outdoor installations where organic peroxides are handled must be separated from other buildings or installations depending on the hazard group and quantity of organic peroxides stored, as well as the location, arrangement and type of construction of the buildings and installations. By taking special safety measures such as fire protection, extinguishing or fire alarm technology, the requirement for safety distances may be partially or fully lifted in consultation with the approval authorities. The F 90 / REI 90 / REI 120 versions of our fire-rated stores allow safety distances to be significantly reduced under certain circumstances.



Temperature under control

The SADT (self-accelerating decomposition temperature) is the temperature above which there is a risk of the peroxide undergoing self accelerating decomposition. The temperature of the stored goods must be a minimum of 10 °C below the SADT. In order to guarantee the quality requirements and safety criteria for a constant temperature range for peroxide storage, good thermal insulation is also required alongside fire protection. Our peroxide stores guarantee excellent thermal insulation with mineral wool panels (construction material class A). Integrated climate control equipment reliably ensures the required temperature range is observed. A redundant design is available if required.



Explosion protection

Technical ventilation prevents the accumulation of potentially explosive gas mixtures inside a room system. For effective avoidance of sources of ignition, the electrical components have an Ex proof design. Storage rooms for organic peroxides in hazard groups OP I to OP II must also be provided with pressure relief panels. Guideline values are to be used for the required total pressure relief panel area. This kind of pressure relief device is installed in the roof of your store. The panel is designed so that when a previously determined pressure is reached, it opens. It will close again automatically when the pressure wave has been dissipated to seal the store so that the fire protection properties are maintained. This has been successfully demonstrated in a 120 minute long fire test.



Equipment for peroxide stores

Our fire-rated stores essentially consist of a sturdy, corrosion-resistance steel frame, a fire-resistant envelope (F 90 / REI 90 / REI 120) and of course, fire-rated doors. If you need to meet stricter safety standards for a peroxide store, the equipment can be complemented with the following components:

- Heating and cooling technology (redundant also available)
- Extinguishing technology
- Temperature monitoring
- Alarm systems (visual and audible)
- Gas warning detectors
- Stainless steel inlay spill pallet or PE liners

**Choose from the most comprehensive
range of equipment available on the
market.**

See page
264

EXPERTISE

EXPERT ADVICE

SERVICE

SAFETY ROOMS FOR SENSITIVE TECHNOLOGY

High-value technical equipment and electrical installations are needed in all sectors. Often the technology is not just used in fixed buildings or rooms. For reasons of space, frequent changes to infrastructure or if outdoor installation is needed, a turnkey, mobile solution can be required. This is where DENIOS technical safety rooms (TSR) are useful – even on the roof of administration buildings. Our fire and vandal-protected room systems house emergency power systems for uninterruptible power supplies, power generators (e.g. diesel generators or fuel cells) as well as radio and energy technologies in a flexible manner. Many other applications, such as test rooms for lithium energy storage devices can be created.

Needs analysis and advice

What do your risk assessment and fire protection design say? Which climatic conditions should be taken into consideration? How will the test environment be integrated into your infrastructure and work processes? Our engineers use targeted questions to clarify what your optimum design could look like. Space requirements, installation location (indoors or outdoors), equipment, safety equipment – your individual requirements profile will be created from our needs analysis. Take advantage of our expertise as manufacturers of technical room systems - we will pass this knowledge on to you and use it to create your design, allowing your employees and equipment to be protected in the best way possible.

Project management and customer service

Our aim is the precise implementation of your project, on-time, ensured by our specialist staff. You may monitor the progress of the various production phases in person at any time and have a Factory Acceptance Test (FAT) carried out. We have many years of experience with legislation, approval authorities and insurers and will work alongside you throughout the project. We will create a plan together to gain approval for your technical safety room's structural, environmental, EX and fire protection aspects - a vital prerequisite for insurance. After the project has been completed you will receive comprehensive project documentation as well as tested structural analysis calculations. We also support you while your product is in operation. Our Customer Service will ensure that your investment retains its value. With a service and maintenance plan which is tailored to you and your product, we guarantee a high quality, long lasting solution.

Find out more about our service offering

See page
278

Individual variety

Technical safety rooms from DENIOS meet the highest requirements in terms of load capacity and safety. The stable base components and steel frame construction are always part of the DENIOS protection design. The variable dimensions of the TSR mean that it can be designed exactly for the space you have available and the required application. As a compact solution there are numerous space-saving applications which can fit in any position. Larger scale solutions are also possible: from combined storage and test facilities to multi-room complexes with covered-over logistics and access areas. Use our comprehensive equipment options to customise your technical safety room.

Choose from the most comprehensive range of equipment available on the market.

See page
264



**Safety for operation –
Practical Examples for
tailor-made solutions
of technical and safety
rooms.**

**Personal advice:
01952 811 991**

www.denios.co.uk/tsr





PRACTICAL EXAMPLES

Test stand for stationary energy storage devices

Voltavision GmbH in Bochum, Germany is an independent R&D company, operating test equipment for high technology systems in the electromobility and renewable energy sectors. The size of the units tested ranges from lithium-ion batteries for electrical equipment right up to "large" energy storage systems. It was for these large applications that Voltavision and DENIOS developed a test room together, which had a customised test room volume and allowed testing of lithium energy storage devices over a temperature range of -20 to +60 °C.

Mains power-independent energy supply

To demonstrate the newest renewable energy technologies, Hoppecke needed a demonstration room, which had to meet many safety, fire and explosion protection requirements. This two-part demonstration room, designed to act as a showroom for the customer's company, needed to allow the sensitive storage of hydrogen bottles for the operation of fuel cells and also the storage of lithium-ion batteries, which were to be charged via the fuel cells and the photovoltaic panels fitted on the roof. DENIOS was able to develop a technical safety room in a short time, which met all the requirements for F 90 fire protection, fire alarm sensor technology, explosion protection and ventilation technology.

External server room for data mirroring with break-in protection

CNS Computer Network Systemengineering GmbH is a medium-sized IT systems company with head office in Gelsenkirchen, Germany. CNS was tasked by the VULKAN Group in Herne to create a completely fitted out server room for data security outdoors on the company's site. CNS trusted the assistance of DENIOS AG for providing proven TSR technical safety rooms for housing the sensitive IT infrastructure. Effective insulation and air conditioning were needed alongside ensuring the complete room system was secure against break-in in accordance with RC 4.

3 6.941
Li
Lithium



Fire-rated storage
containers for lithium-ion
energy storage
devices

ab Seite
260

Weatherproof stores for hazardous substances

DENIOS hazmat stores can be combined to form any size of plant. This means that large quantities of hazardous substances can be stored and also various storage areas and fire compartments can be created. The individual areas or compartments can be equipped to suit your requirements. For example areas with / without fire protection or with / without insulation can be combined. Traffic routes and picking areas can be provided with a roof light strip to ensure weather protection for workers in the plant. Any requirements for storage temperature, ventilation technology etc can be accommodated. Legal requirements and fire protection standards are observed.

Practical example

Centralised large store for lubricants

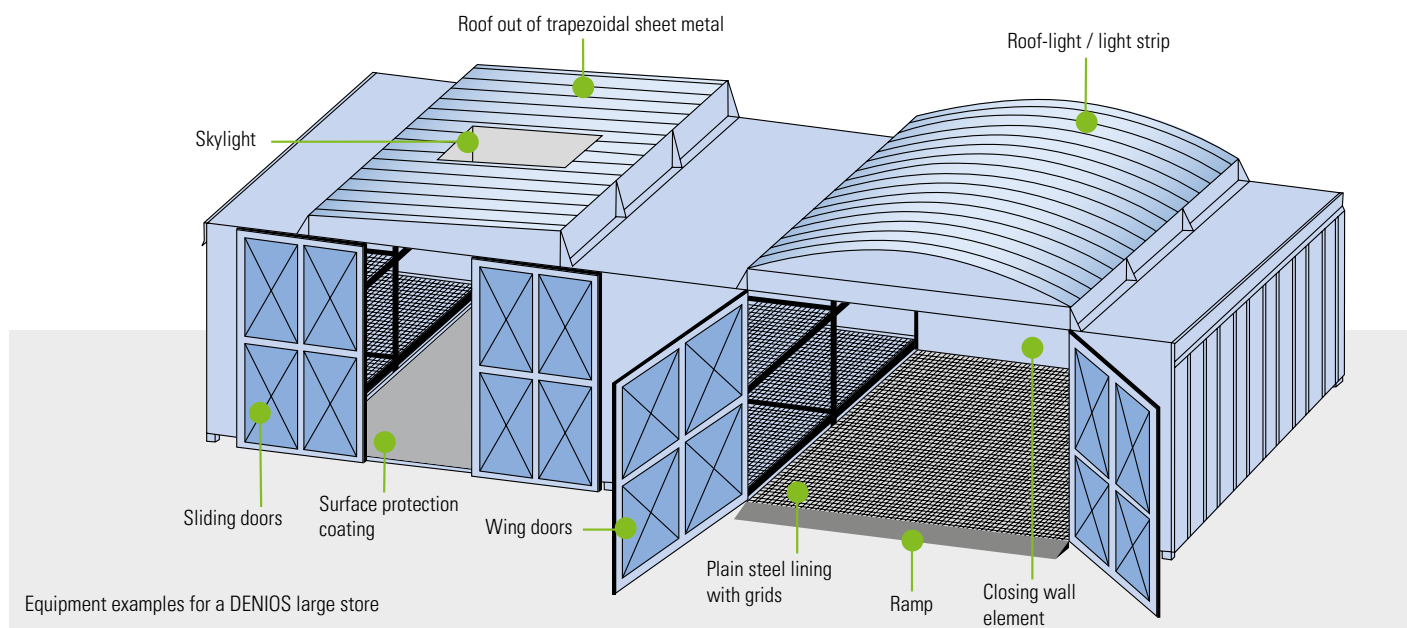
DENIOS AG has designed a new large store for lubricants for Holcim (Deutschland) GmbH, one of the leading manufacturers of building materials in Germany. Previously, new lubricants such as oils and greases were stored in drums, containers and canisters together with used oils and greases, used oil binders and dirty cleaning cloths, etc. at four different locations. This made daily operations very awkward. A new centralised large store was needed which would make the work processes better suited to daily requirements and also Holcim's guidelines.

The new lubricant store combines the storage and handling of new and used lubricants into one store. The plant is based on a DENIOS standard technical room system and has two storage areas: one area consists of an insulated room system, where new lubricants can be stored frost-free. The non-insulated area is for the storage of used materials. In each area, up to 52 IBCs or 70 Euro pallets could be stored. Each area had a roof light strip allowing picking using industrial trucks while protected from the weather. The stores were extended by a walk-in F90 fire-rated store for the storage of flammable media in small containers and dispensing of oils.



Weatherproof loading and unloading of hazardous substances





EXPERTISE

EXPERT ADVICE

SERVICE

UNBEATABLE RANGE OF EQUIPMENT

Customise your hazmat store!

Use the full range of DENIOS equipment options to fit out your hazmat store as you need. Optimise your hazmat management processes with a storage system which is customised to meet your operational needs.



As a manufacturer we know that safety and legal compliance alongside ease of use and maintenance are important commercial parameters which can be best exploited by customised equipment. Our DENIOS specialists are here to help you plan the exact design and configuration of your hazmat storage system equipment. If required, we can offer on-site advice and use our DENIOS developed software, the Variant Configurator, to create a storage solution especially for your needs.

Safety equipment

The modules required for the safety equipment of your hazmat store will be selected depending on your operational, legal and insurance requirements. Individual requirements can be taken from your risk assessment, your safety design, your ATEX assessment and other specifications, for example for noise emissions.

A needs analysis looking at your specific requirements is used during discussions to jointly determine the optimum system for you and corresponding safety equipment. As legislators require that safety-technical equipment should be regularly inspected, the expert DENIOS manufacturer's service team will keep you safe in the long term.

Safety equipment prevents hazards, e.g.

- protection from leaked liquids,
- Ex protection,
- climate protection,
- emission protection,
- system monitoring and alarm systems,
- lighting,
- extinguishing technology,
- safety of personnel and
- protection from external factors.

Convenient equipment

Working in your room system is made easier by the right choice of convenient equipment. When your system is efficiently set up to suit your concept for use, this can save you time and money in the long term. There's a wide range of equipment modules to choose from. We can offer advice and work with you to choose the optimum complete system for your needs. If required, we'll deliver the whole room system ready to use. Perfectly simple - from start to finish.

Convenient equipment helps make work easier and optimises processes, e.g. with

- Shelving, conveyors and storage aids,
- Roof heating systems,
- Media connections and electrical equipment,
- Electronic data management,
- Electronic access systems,
- Transport and picking aids
- Etc.



The Customer Experience

- Consultation / Site Visit
- Design & Engineering
- Manufacturing
- Installation
- Service & Maintenance

[www.denios.co.uk/
custom-solutions](http://www.denios.co.uk/custom-solutions)





Expert advice

**Not found what you are looking for? Need more detailed information?
Let DENIOS advise you!**



01952 811 991



Protection from leaked liquids

Technical room systems from DENIOS have a tested spill pallet in hot dip galvanised steel meeting water pollution laws, which safely contains any leaked liquids. Special versions are required, if for example the media resistance of the spill pallet needs to be suited to the stored medium or installation in a water protection area is planned. Adjustments to suit your requirements are also possible for draining of the spill pallet or planning of the storage levels. Just let us know what you need!

Spill pallets - standard version

- For substances in all water-polluting classes
- Welded steel design - safe and long lasting
- Sealing test in accordance with EN ISO 3452-1 with factory test certificate
- Galvanised spill pallet for optimum corrosion protection

All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

Acid-proof sump pallets

Spill pallets can be supplied with liners in polyethylene (HDPE) for the storage of aggressive media such as acids and alkalis. These can be supplied in an "electrically non-dissipative" and an "electrically dissipative" version. Depending on goods stored and the storage conditions, stainless steel may be another alternative. We would be pleased to provide you with advice.

Spill pallets - special versions

- Liners in polyethylene (HDPE) for the storage of aggressive media such as acids and alkalis (LGK 8), available either as an electrically conductive version or a non-electrically conductive version
- Stainless steel versions
- Containment volumes up to 100% of the stored quantity (e.g. for use in water protection areas)
- Removable spill pallet
- Waterproof flooring (e.g. double, heavy duty or linoleum flooring) in the technical safety room if a spill pallet function is not required

Grids

Hazmat storage containers are fitted with galvanised grids as standard (grid size 40/30 mm or 60/30 mm). For improved access for example with a pallet truck, narrower mesh grids (grid size 22/11 mm or 33/11) can be selected.

Loading surface

- Removable, hot dip galvanised steel grids meet quality and test conditions of RAL GZ 638
- 33 x 11 mm mesh width (optional 22 x 11 mm) for access with a pallet truck
- Special version in stainless steel available

Spill pallet emptying

Additional equipment is offered for emptying spill pallets to ensure that they are returned to a safe, legally-compliant condition.



Roof greening for a sustainable work environment



Electronic access systems

... and much more on the following pages.

Room access

Planning the access to a room should also be given in-depth consideration. Alongside safety aspects (e.g. door hold-open systems for fire-rated doors), ease of operation (e.g. by remote control) and clear access for lifting and transport equipment (e.g. using access ramps) are vital to ensure work processes run smoothly.

Door arrangement

There are many options for door arrangements for our walk-in room systems. Access to the room has an influence on how the space is used. When deciding between a 1-wing or 2-wing door, ensure that loading and unloading can be carried out easily. We are happy to advise you!

Softclose

The optionally available door damper system ensures the doors close gently.

Order no. 272-099-J1

SOFT-CLOSE

Door / gate hold-open system

A door/gate hold-open system can be added to any room system with a wing door. This holds the door open using electromagnets. The power to the electromagnet is cut when the door closing button is operated or an alarm is triggered. A door sequence controller is used to close 2-wing doors.



Order no. 272-097-J1

Communication Bar

The latest in-house development from DENIOS combines maximum ease of use with modern technology. The Communication Bar allows you to operate all electronic components of the room system, e.g. the controls, lighting and electronic access control via RFID.



Sliding and roller shutter doors

Do you have a lot to store but not much space available? Our storage containers with shelving can also be made available with sliding doors or roller shutter doors. We would be happy to create door combinations too, for example for loading your room system from both sides.



Electronic access systems

The doors can be locked with a mechanical lock as standard to prevent unauthorised access. By fitting the system with an electronic access system, you can make access easier and considerably simplify the control of access rights. Electronic access systems (keyless) are also available for 1 and 2-wing doors, enabling access via RFID transponder, code, fingerprint or handheld device with Bluetooth. Sliding doors can be fitted with remote control. This allows the doors to be operated conveniently and quickly e.g. from a forklift truck.



Access ramp

Walk-in hazmat stores from DENIOS generally offer good accessibility with a low entry height. Access can be made even easier with an access ramp.



Walk-in hazardous materials stores



Walk-in fire-rated storage container



Making use of the space

Regardless of whether you need a walk-in hazardous materials store or a hazmat store with shelving with / without fire protection, there are many options when it comes to how you use the space to suit your requirements.

Hazardous materials storage containers with shelving

Flexible shelving

Special designs can be created with different numbers and arrangements of shelves as well as different load capacities and surfaces

Extra deep design

For bulky goods or higher storage capacity; access on both long sides

Hazmat storage container with shelving SC 3G 626 with sliding doors, extra-deep, in special paint



Shelf supports

The basic version has grids on each storage level. Special versions: equipment for horizontal drum storage, conveyors for flow-through and slide-in storage, storage rails or trolley rail systems



Walk-in hazmat store

Shelving

Individually adjustable for storage of small containers



Partition walls

Create different storage / climate / temperature areas



Walk-in room system with partition wall

Useful area

You decide which areas are to be used as storage areas or as work areas. Wheeled trolleys can be used to move heavy loads around inside the room system. Narrow mesh grids ensure a pallet truck can be used.



Hazmat workstation

The hazmat workstations can be equipped with devices for the extraction of hazardous vapours and dusts, such as work tables with extraction devices or extraction arms.



Personal safety in the work room

Walk-in room systems can be designed as working areas with various equipment options for maximum personal safety. Our room systems offer various options for lighting. In addition, the room system can be equipped with windows so that a line of sight to the outside can be created. For walk-in fire-rated stores, the viewing windows meet the statutory fire protection requirements.

Video surveillance

- Camera monitoring and recording of the hazardous area inside or outside your hazardous materials store.
- Wall or ceiling mounting possible, with connection to an on-site network (LAN) with UTP cable (PoE).
- Resolution for high detail and zoom-ability: 2560 x 1920 MP (5 MP). 4.5x optical zoom lens. Autofocus.
- Sensor with intelligent illumination (HDR) and 3D noise reduction. Adaptive night sensor for infrared night vision (50 meters).
- Vandal-proof housing in stainless steel, protection class IP 66.
- 4-channel recorder with capacity for 3 additional cameras. Storage medium 1,000 GB HDD with backup options for USB, smartphone app for Android and Apple and software for Windows and Mac.
- Various recording modes: continuous, scheduled, after external alarm, after motion alarm, recording OFF.
- Also available in Ex proof design.
- For the observance of personal rights, the consent of the persons affected by the surveillance or an agreement between the employee and the company is required.



Order no. 272-096-J1

Lockable external information board

- The Infoboard is suitable for providing appropriate work instructions and information for work safety in accordance with the risk assessment.
- Weather-resistant, lockable information box made of aluminium, silver anodised, with ESG safety glass.
- The back wall is a magnetic writing surface. A4 printouts can be attached with magnets or you can write important short messages directly on the board.
- Various sizes available on request.



Order no. 272-407-J1E

Signage and marking

Clear, adequate signage increases safety during operation. Legally-required GHS markings and a large number of warning signs and markings for escape routes or hazard areas are mandatory. We would be pleased to plan appropriate signage and markings around your room system together with you.



Personal safety in case of danger

In the event of danger, (technical) aids can help raise the alarm quickly, prevent danger, provide first aid or ensure evacuation, for example with

- An emergency signal, which is triggered by a manual alarm call point and is audibly given by a siren and/or visually e.g. by a signal tower.
- Mobile hand-held fire extinguishers, which can be mounted at various locations in the room system for quick access.
- Emergency lighting that allows safety-relevant work to be completed with care or the danger zone to be left quickly and safely, even during a power failure.
- A first aid station equipped with, for example, a plaster dispenser, eyewash bottle and fire blanket.

Here you can find first aid kits for your work room.





Ventilation and air extraction technology

When working with dusts and vapours which are hazardous to health, there are often requirements to use a technical solution in place of or in addition to personal protective equipment (PPE). DENIOS can custom-integrate its certified workbenches and extraction equipment into your technical room system.

- Dusts and vapours are extracted with targeted air extraction systems over a wide area.
- The most modern air extraction filters permit emission-free air extraction
- To ensure consistent production conditions the intake air must be temperature controlled
- Fire-rated underbench cabinets offer additional safety, for example for intermediate storage of retained samples or sample substances in small quantities
- Comprehensive worker protection and ergonomically designed workbenches are always a priority



Dispensing room with integral extraction arm for at-source extraction of harmful vapours.



Sampling room with ventilation technology workplace and emergency shower. Additional safety is provided by fire-rated underbench cabinets for retained samples.

The highest levels of personal, room and product protection

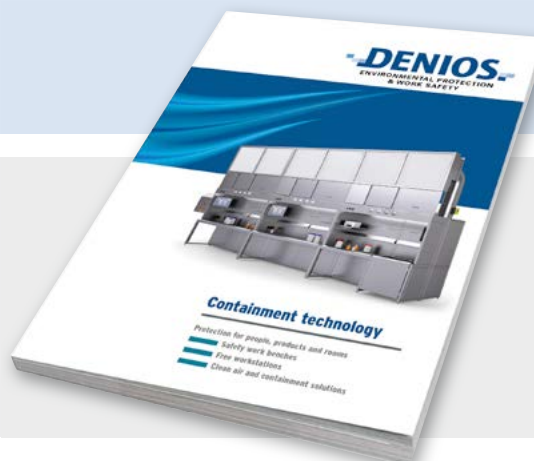
The basics of all DENIOS ventilation concepts are:

- Safe extraction of hazardous emissions
- Reliable personal, room and product protection
- Low air extraction volume for long term operation
- Low noise
- High levels of flexibility/adaptability to client requirements

DENIOS ventilation technology offer

A detailed overview of our ventilation technology services can be found in the DENIOS "Ventilation technology" brochure

Order now: 01952 811 991



Fire alarm and alarm systems

- Preventive fire protection measure(s) with the following aims: fire recognition, alarm (visual/audible) and evacuation
- A useful addition to other technical fire protection measures, to structural and organisational measures and to fire protection measures by the fire brigade

Fire detection

Protection of a HazMat storage container is dependent on early recognition of any fire. DENIOS offers approved multi-sensors, which quickly and reliably detect smoke and fire. If required, we can fit your preferred specific fire detector.



Alarm systems, warning lights and sirens

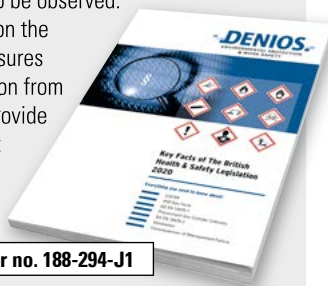
Use these warning lights for fire warning or for system monitoring e.g. for measurement data such as air extraction monitoring (controls the air flow) or air humidity. There are various solutions - talk to us to find out more!



Fire protection basics

Particularly high safety requirements are set for flammable, toxic and oxidising media. To safeguard people and the environment, legislators require strict fire protection regulations to be observed.

You should get information in good time on the various requirements and define the measures which will give the best possible protection from the risks of fire. We would be happy to provide you with the right basic knowledge to get you started: the DENIOS Hazmat Manual.



Order no. 188-294-J1

Order now!

Aims of fire protection measures for hazardous materials storage

- Protection for people, the environment, products and plant from the consequences of fire or explosions
- Avoidance of fires and explosions or their containment until the fire brigade arrive
- Avoidance of undesirable changes in the chemical and / or physical properties of the stored goods due to the influence of temperature or contact with extinguishing media
- Avoidance of collateral damage (smoke damage, extinguishing water damage, environmental damage and losses due to breakdowns)
- Quick return to operational readiness

Hold-open systems for fire-rated doors and gates

- A device approved by the building supervisory authority which ensures that door openings between fire compartments may remain open by means of a hold-open device (e.g. electromagnet).
- Automatic release: in the event of a fire, the fire-rated door closes automatically after the integral smoke detector has been triggered or can easily be manually closed
- Maintenance, inspection and servicing are legally required

Ask about our product and service offering now!

Fire bulkheads

Fire-rated bulkheads for breakthrough points in fire-rated store walls for

- Cabling and pipes (bulkheads),
- Ventilation piping and ducts (fire protection flaps).

Fire protection flaps

Necessary wall openings, e.g. for ventilation must be protected by fire protection flaps. In the event of a fire, the fire protection flaps close automatically.



Fire-rated wall breakthrough points for pipes and cables



Door hold-open device

An electromagnet holds the doors open. When the door closing button is operated or if there is an alarm, the power to the electromagnet is cut. The door is then closed by the upper door closer.



Order no. 272-097-J1



Fixed extinguishing systems

- Extinguishing technology with aerosol according to EN 15276-1, without addition of water.
- The aerosol extinguishing generator is triggered by temperature (see sprinkler system) and effectively interrupts the chemical combustion process within 4.5 - 15 seconds (depending on model).
- Avoids environmental damage that can occur during the use of extinguishing water.
- The extinguishing agent technology is environmentally friendly and human-compatible (not harmful to health, does not displace oxygen). Among other things, it is listed as an official "HALON replacement extinguishing agent" by the United States Environmental Protection Agency (U.S.EPA).
- Significant cost savings as there is no need for fire water retention systems according to AwSV.
- Easy and quick installation thanks to low weight / installation volume and because no piping is required.
- Low investment and follow-up costs (maintenance-free over the lifetime).
- Long product life and low testing requirements (no pressure vessels and no pressure tests).
- Manufactured according to ISO 9001:2000, TÜV, VDE ISO 14001 and IQNet.
- Professional planning, installation and maintenance according to EN 15276-2.



Order no. 272-075-J1

Semi-fixed extinguishing systems

In contrast to fixed extinguishing systems, semi-fixed extinguishing systems do not have their own supply of extinguishing media, but have a connection to the fire brigade's extinguishing supply. They enable the emergency services to carry out a rapid and targeted extinguishing action. DIN 18230 "Structural fire protection in industrial buildings" states that a semi-fixed extinguishing system can only be considered in an industrial fire protection concept with the approval of the public fire brigade if no works fire brigade is available.



Extinguishing systems - testing and maintenance

Every extinguishing system must be tested and maintained by the operator. Continuous inspections of extinguishing equipment for example ensure that it remains ready to be operated and will function reliably in an emergency. Regular checks of the extinguishing equipment and an annual quality inspection of the extinguishing medium will uncover any faults in good time and provide information on the extinguishing capacity of the extinguishing equipment.



**Ask for details on our service offering now: 01952 811 991.
We'd be happy to help!**



Find out more about our service offering

See page
278

Extinguishing water retention equipment

- Extinguishing water can be contaminated by water-polluting substances and/or the use of water-polluting extinguishing agents and/or water-polluting additives
- Risk of pollution or poisoning of waters by contaminated extinguishing water
- Protective measures in accordance with the German Water Resources Act, "Regulations on equipment for handling water-polluting substances" (AwSV)
- Extinguishing water retention systems serve to safely contain contaminated extinguishing water for the duration of the extinguishing work
- Type and design of the required extinguishing water retention measures are based on the operational risk assessment

Ask us about suitable protective measures!

Which guidelines and regulations do I need to observe?



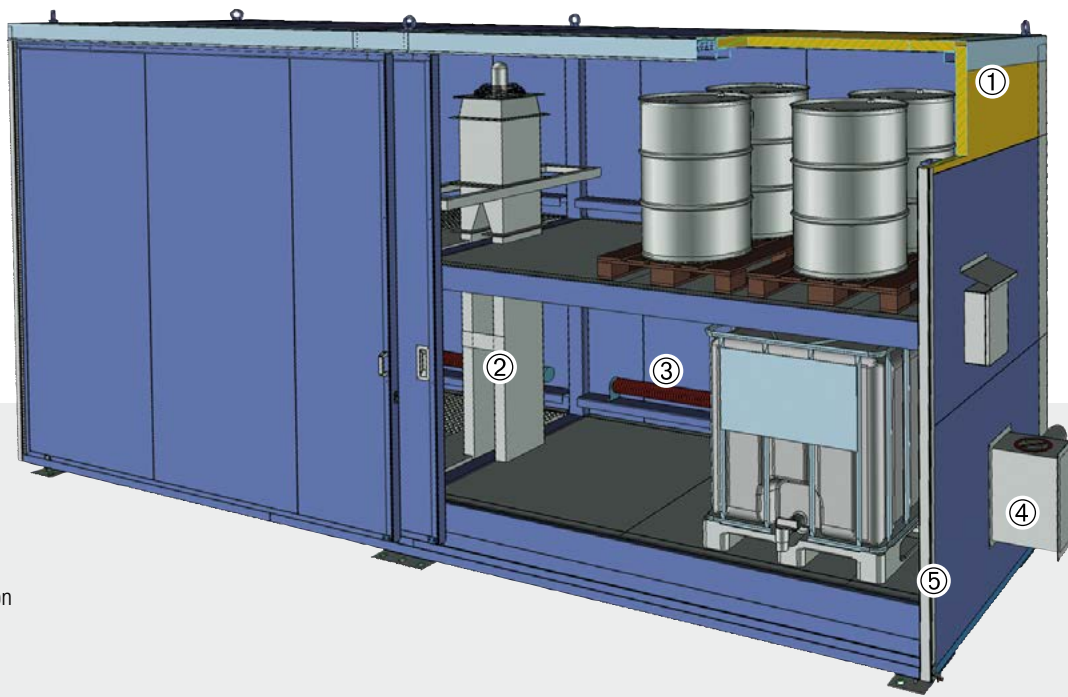
Learn the answers to this and other questions at a DENIOS Hazmat Day. Current dates listed at www.denios.co.uk



Air conditioning technology

A reliable air conditioning system for heat or frost-sensitive stored goods is required in many industrial areas, for example to protect stored containers from the negative effects of temperature. Insulated hazmat storage containers from DENIOS make the ideal choice for the frost-free storage of temperature sensitive substances. The systems can be fitted with better heating, cooling equipment or air conditioning systems if required. The proven design principle of technical room systems is also continued in the thermally insulated construction. The sturdy welded steel frame design is covered on all sides with special panels. Different insulations are used for the storage of water-polluting or flammable hazardous substances (see below).

- ① Efficient thermal insulation, insulating panels with a filling of mineral wool or hard foam (PUR)
- ② Controlled air flow for optimum air and temperature distribution in the storage system
- ③ Finned tube heater on the shelf guard
- ④ Exhaust air fan to guarantee the legally required air exchange when storing flammable liquids (H226 / H225 / H224)
- ⑤ Welded steel frame construction



Insulation

Thermal insulation in A or B class materials ensures effective protection against energy losses and the effects of frost. Non-combustible A class materials are suitable for the storage of flammable liquids. The insulated hazmat store can also be equipped with a heating system or temperature monitoring for example.

Mineral wool panel (ISO A)

Various sandwich elements (ISO A) with a mineral wool supporting core and steel outer sheets for insulation are available.

- Good insulation, long life and excellent fire protection
- Material thickness 50 mm, building material class A, non-combustible, $U = 0.78 \text{ W} / (\text{m}^2\text{K})$
- Material thickness 100 mm, building material class A, non-combustible, $U = 0.42 \text{ W} / (\text{m}^2\text{K})$
- CE marked

For hazmat store MCV the wall panels are filled on the inside with 40 mm A class material.



PUR panels (ISO B)

- Sandwich elements (ISO B) with a polyurethane hard foam (PUR) supporting core and steel outer sheets
- Very good insulation against heat / cold
- Material thickness 50 mm, building material class B (flame-retardant), $U = 0.47 \text{ W} / (\text{m}^2\text{K})$
- CE marked



Insulation

With the insulated, heated version you will receive a legally-compliant, frost-free store (external -15°C , internal $+5^\circ\text{C}$) for temperature-sensitive liquids. We would be happy to help you plan your frost-free hazardous materials store.





Finned tube heaters



Our finned tube heaters are fitted with an integral safety temperature limiter. This protects the heater surfaces from overheating. Accessories also include appropriate impact protection as this heater is usually fitted near the shelf guard. Available as Ex and nEx versions, each with an output of 1 or 2 kW.

Heating fan



In contrast to finned tube heaters, heating fans ensure active, targeted convection. The effective heating produced is higher than for heating media with a natural heat flow. Heating fans are therefore the ideal choice for larger, walk-in hazardous materials stores with insulation. Heating fans are also available with a recirculating function ensuring a uniform temperature distribution in the store.

Additional air recirculation

For large room systems which are fitted with finned tube heaters, additional air recirculation is provided. Connected to the heating system, the air recirculation system takes the warmed air from inside the room and distributes it evenly across the storage area.



Climate control equipment



In the standard design, climate control equipment ensures internal temperatures of +5 °C at an external temperature down to -15 °C, or an internal temperature of +25 °C at an external temperature up to +35 °C. Modular cooling and climate control solutions enable precision temperature control of the storage room. Ex designs are also available.

Technical ventilation

To ensure permanent air extraction from your room system, the air exchange is ensured by high performance technical ventilation, in accordance with local technical requirements. This ensures that the possible risk of harmful or even explosive gases being created is taken care of. The air flow is monitored by an airflow monitor in accordance with the law. We will also be happy to fit additional technical ventilation, which switches on automatically in the event that the air extraction limits are exceeded.



Air dehumidification and air lock technology

If you need an exactly defined room climate, we offer the possibility to connect your technical room system to a dehumidification system. By installing partition walls with air lock technology, we enable a clearly defined room climate to be accessible in a controlled manner.



Heat chambers for heating and melting

From page
284



Thermal processing of materials

Are you looking for a system for the thermal processing of materials in your process chain? We understand that the requirements for process technology differ from those for conventional storage requirements. But synergies can be created. DENIOS heat chambers are based on proven hazmat store designs and include comprehensive protective mechanisms and a sturdy body. To support your core tasks of heating or melting, its functions are optimised for precision temperature control and short warm-up periods.

Simple - smart: DENIOS Connect-condition monitoring

The sensor equipment, e.g. temperature sensor, fire/smoke detector, gas detector, etc. forms the basis for the smart condition monitoring («DENIOS connect») of your room system. Depending on your functional requirements, you can choose between two control variants for data acquisition and processing. These can be individually extended in their functional range by additional options. Data transfer can be conveniently implemented via USB, Modbus or mobile telephone connection.

Measured variables for condition monitoring

Permanent status recording is possible for the following safety-relevant components of the technical room system:

- Internal and external lighting (ON / OFF)
- Technical ventilation (operating/fault)
- Heating (operating / fault)
- Door control unit (fault)
- Air conditioning system (operating / fault)
- Door (open / closed)
- Room temperature
- Runtimes
- Operating cycles (door)

In addition 1-2 signals can be integrated by the customer.



Mobile phone connection made easy

Connection of your room system's status monitoring system to a mobile phone network enables you to access the data and alarm messages independently of your company network. NarrowBand IoT is currently the most efficient mobile network technology for this application. This global industry standard is based on LTE and uses the associated 3GPP security mechanisms. As the technology is specially designed for smaller data volumes and dispenses with unnecessary LTE functions, it offers particularly cost-effective and reliable mobile communication.

The basic control system

Function: Data acquisition and processing

- Acquisition and processing of current measurement data
- Switching logic optimally matched to DENIOS storage and process technology
- Electromechanical control components in the switch cabinet
- Illustration of all electronic and sensor modules via operating and display elements in the front of the control cabinet in line with industrial standards



Our systems have benefited from our condition monitoring expertise for many years. Our own innovations and experience as well as technological progress are continuously incorporated. No other manufacturer offers a comparable range of possibilities. Request your personal consultation: 01952 811 991

Functional features of the basic control system

- Actual measurement values are continually captured by the sensors and compared with setpoint values
- Visible and / or audible alarm signals
- DENIOS remote diagnosis possible
- Transmission of sensor data to customer connection, e.g. to a mail server
- Automatic triggering systems: e.g. automatic door closing or extinguishing systems in the event of fire and switching off all consumers in the event of fire



Comfort control system

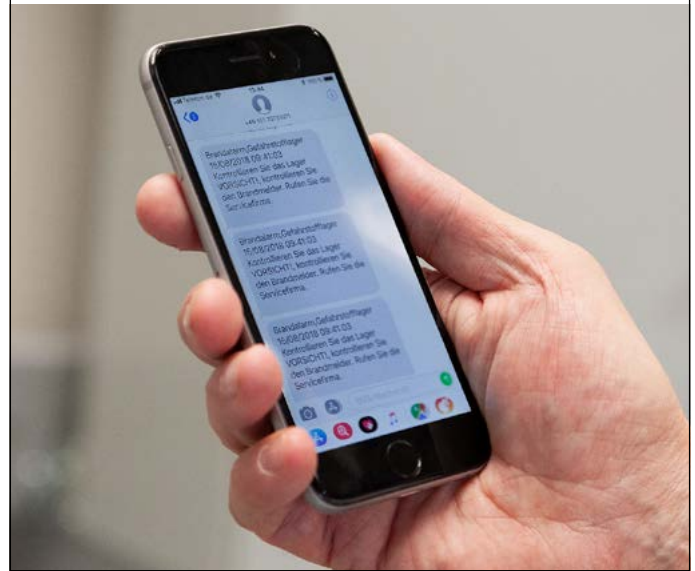
Function: Data acquisition, processing, recording and output

- Acquisition and processing of current measurement data
- Data recording of operating states and fault messages
- Supplementary information on running times and maintenance intervals
- Remote access via VPN: establish a data connection easily and securely with a free VPN application and your Internet browser
- Customer-specific versions Coordinated by our developers



Functional features of the comfort control system

- Actual measurement values are continually captured by the sensors and compared with setpoint values
- System parameters are stored for 12 months
- Mapping of running times and maintenance intervals
- Fault or alarm messages for setpoint value deviations and alarm delays are configurable via the control panel
- Visible and / or audible alarm signals
- DENIOS remote diagnosis possible
- Transmission of sensor data to customer connection, e.g. to a mail server
- Automatic extinguishing systems: e.g. the automatic door closing system or extinguishing system in the event of a fire, or automatic switching on of a technical ventilation system if air extraction limit values are exceeded



Comfort control system hardware and software

- Modern touch panels/displays for indoor or outdoor use with high operating comfort
- High-performance controller connected to the operating unit via Modbus maintains its function even if the operating unit fails, thus ensuring reliable process control and documentation
- The control software developed by DENIOS and coordinated hardware components are optimally designed for the hazmat storage technology and are continually expanded with new innovations
- Simple data transfer via USB interface
- Modbus interface for connection to higher-level systems, such as the customers process control system
- Modern control cabinet technology incl. potential-free contacts for providing fault messages for evaluation by the customer
- Customer-specific versions coordinated by our developers



"Think Green" - use your green fingers

Sustainability begins with the responsible use of hazardous production materials. Technical room systems from DENIOS offer reliable protection during storage. Combine sustainability with individuality with the wide range of equipment and individual solutions from DENIOS. We also implement demanding, sustainable projects for our customers and with their cooperation.

Roof greening

- Use your green fingers and increase the insulation value of your hazardous materials store at the same time.
- A living layer of insulation for the roof of the store makes a significant contribution to the environment, increasing insects, retaining rainwater and binding fine dust.
- The attractive design brings a sense of wellbeing.
- To accommodate natural planting, we supply stainless steel (V2A) tray elements to match the room system for installation on the roof.
- Depending on the size of the room system, between 2 and 6 plant trays are included in the scope of delivery.
- Basic planting is done by the customer.

Order no. 272-073-J1



Mains power-independent energy supply

To demonstrate the newest renewable energy technologies, Hoppecke needed a demonstration room. In close consultation with the customer, DENIOS designed an individual, two-part room system that meets a wide range of requirements for safety, fire and explosion protection. The first area was used as a technical room for batteries and fuel cells; the other area was used as a gas cylinder storage area for the hydrogen cylinders. This room system made possible the sensitive storage of hydrogen bottles for the operation of fuel cells and also the storage of lithium-ion batteries, which were to be charged via the fuel cells and the photovoltaic panels fitted on the roof.

On the one hand, we have shown that we can realise challenging, sustainable projects together with our customers. On the other, it's clear to see there's a wide range of possible applications for technical room systems from DENIOS. With a broad range of equipment and experts for individual solutions, we've got everything you need.



HOPPECKE, is the largest manufacturer of industrial batteries, systems and charging equipment in Europe. The increasing use of renewable energy and the conversion to emission-free drives has made rechargeable energy storage units increasingly important. **HOPPECKE** has developed marketable designs for the future and is making an important contribution to solving the commercial challenges we must address in the face of global climate protection goals. Company description: www.hoppecke.com/de



Order no. 272-073-J1

Protected from wind and weather

Extreme weather conditions are becoming more frequent. This must be taken into account in the design and statics of a room system for installation outdoors. DENIOS room systems are stable and resistant to the effects of external forces. Additional equipment options also offer protection from the elements for both personnel and the product. A site-specific coating provides the steel structure with optimum corrosion protection.

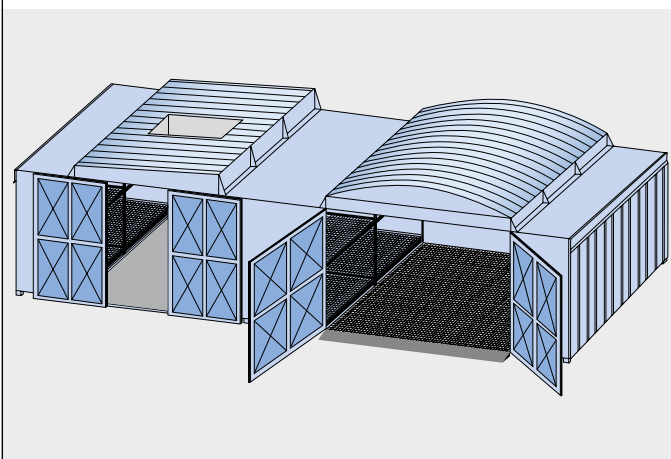
Statics for wind, snow and earthquake loads

- DENIOS room systems are suitable for outdoor installation.
- Structural analysis to Eurocode 3 (DIN EN 1993) measured for a characteristic wind load with a dynamic pressure of $q_{k,w} = 0.585 \text{ kN/m}^2$ and a characteristic ground snow load of $s_k = 2.5 \text{ kN/m}^2$
- Structural analysis sufficiently measured in accordance with DIN 4149/EN 1998-1:2004 for earthquake zone 3
- Available with additional equipment for up to wind load zone 4, terrain category I ($q_{k,w} = 1.064 \text{ kN/m}^2$) and for up to ground snow load $s_k = 5.86 \text{ kN/m}^2$



Weather-protected large-scale system

Technical room systems from DENIOS can be combined into installations of any size. Traffic routes and picking areas can be provided with a roof light strip to ensure weather protection for workers in the plant. Any requirements regarding temperature specifications, ventilation technology, etc. can be implemented. Legal regulations and fire protection standards are observed.



Extendable entrance canopy

Practical canopy for the entrance area of your walk-in fire-rated store for bad weather protection. The canopy is mounted on rails and fitted above the entrance area. Assembly takes place in our factory and is therefore an integral part of the turnkey system.



Paint

DENIOS room systems are usually painted in RAL 9002 (grey-white) or RAL 5010 (gentian blue). Fire-rated storage containers are painted in RAL 9002 as standard. This colour is especially suitable for preventing the absorption of sunlight and consequent heating of the external surfaces. This gives better protection for the room from the influence of external temperatures. Other colours are of course available on request.



EXPERTISE

EXPERT ADVICE

SERVICE

COMPREHENSIVE AND WORRY-FREE, THANKS TO DENIOS OUR SERVICE ENSURES YOUR SAFETY

We see ourselves as your partner, providing a comprehensive and worry-free service. And we take this seriously: just assign responsibility to us and we'll take care of the rest. For example we'll remind you when regular maintenance is due and make sure it's carried out. This leaves you free to concentrate on your business. What else can we do for you? Let us tell you more. Our specialists are ready to help with advice and much more. With DENIOS you'll have a reliable and competent partner.

We're certified!

- SCC training
- Hazmat representative in accordance with TRGS 201, 526, 510 and 800
- Electrical specialist
- Fire protection officer (TÜV)
- Specialist in accordance with BetrSichV, BGG and DIN EN 15635
- Measurement and test technician in accordance with DGUV and VDE

Maintenance with DENIOS: advantages!

There's more than one reason to choose service and maintenance direct from the manufacturer.

- Save yourself expensive repairs with regular servicing!
- Minimise the risk of your products failing and ensure they last!
- You'll never miss an inspection again! We'll plan the annual safety inspections for you.
- Extra protection: we'll extend your warranty to 5 years!
- You'll save on travel costs - our technicians always carry materials for minor repairs!



"Everything from one supplier: maintenance from the manufacturer"

Detailed information on service options, maintenance contracts and repairs can be found in our "Service and maintenance" brochure. Get in touch! 01952 811 991



www.denios.co.uk/service-warranty



Every product taken care of

When our technicians come to your site, every important detail is taken into consideration. The process may vary, depending on the product to be inspected. We pay particular attention to:

- Inspection of general condition
- Visual inspection for damage and defects
- Inspection of spill pallets for damage
- Functional inspection of mechanical parts and doors
- If applicable check fire recognition
- If applicable check heating system
- Production of test report

Is the legally required air exchange rate still ensured? Do the fire protection flaps operate correctly? Are the sensors supplying all the necessary data? Only when all the safety-relevant components have been extensively tested will we assign the proverbial tick.

Minimise your risk!

Regular inspections are best

With a DENIOS product you are always on the safe side. Current laws, standards and necessary certifications are taken into account right from the development and production stages. It's simple to ensure that you and your employees retain this safety for as long as possible and can prevent the risk of an accident leading to personal injury or damage to property: with regular maintenance! Equipment and tooling for the storage or transport of hazardous substances are complex. In addition to design-related inspections, the technical components also need to be checked on a regular basis. These include:

- Technical ventilation
- Door hold-open systems
- Fire protection devices
- Electrical components
- Sensors
- Heating and air conditioning equipment
- Lighting

The functionality of each component can be decisive for the overall structure.

MEMBERSHIP PAYS!

Regular long term maintenance ensures your investment keeps working. When you sign up to a service contract you'll also benefit from an extension to the DENIOS warranty to 5 years.

Get your Carefree Card today and apply for your DENIOS Premium Service Card.

You'll also receive a SpillGuard® free of charge*

SpillGuard® - the revolution in hazmat leak detection. With the DENIOS SpillGuard® our engineers have developed the first leak sensor of its kind: fully autonomous, ready to use and can be fitted to any type of spill pallet. Leaked hazardous liquids in the spill pallet are reliably detected and notified, before large scale damage can occur - and you gain valuable time for cleaning up.

* Applies when a service contract is taken out within the first year after the date of delivery.



DENIOS warranty extensions up to 5 years



Please note that additional inspections may be prescribed and need to be carried out by the operator for your hazmat store! Test institutes specifically advise the operator that an annual inspection of spill pallets, ventilation equipment, fire barriers etc should be carried out annually by the manufacturer. Also take note of the relevant sections in your DIBt General Technical Approval.





Our service technicians check everything

Technical room systems

- Inspection of general condition
- Visual inspection for damage and defects
- Inspection of spill pallets for damage
- Functional inspection of mechanical parts and doors
- Safety testing of all functions
- Inspection of fire recognition if applicable
- Inspection of heating if applicable



Test report

- List of all maintenance work carried out
- For measurements: documentation of measured values
- Recording of any problems
- Production of test plate in the event of a positive result



Prices

Walk-in room systems (ISO, F90, third-party systems)
Technical room systems for IBCs, drums, lithium-ion batteries
DENIOS All Inclusive Cost: on request

Technical safety rooms
DENIOS All Inclusive Cost: please ask for details

Heat and cold chambers
DENIOS All Inclusive Cost: on request

Volume discounts are available for fixed costs!

Technical ventilation

To guarantee the protective function and safety features of your product in the long term, the fans must be replaced by a qualified specialist technician after approximately 20,000 operating hours (or after approx. 3 years) in accordance with the operating instructions. We would be happy to provide you with a customised quotation for your next fan replacement.



DENIOS All Inclusive Cost: please ask for details

Climate control equipment

With test report

- Inspection and measurement - all temperatures
- Inspection and cleaning of the heat exchanger
- Safety inspection for damage

This service is carried out by a DENIOS AG partner.



DENIOS All Inclusive Cost: on request

Fire-rated doors and gates

1-wing/ 2-wing fire-rated doors and gates incl. door hold-open systems in accordance with DIN 31051 / DIN 14677 DIBt, with test report
 This service is carried out by a DENIOS AG partner.
 Please refer to our Service brochure for full details of the service.
 Price plus one-off travel cost flat-rate per site.

DENIOS All Inclusive Cost: on request

The DENIOS All Inclusive Cost covers all additional costs such as travel, expenses and accommodation costs, etc. There are no extra costs at all!



Fume cupboards

- Inspection of technical equipment parameters: air extraction flow, electric drive current draw, lighting intensity, noise level, ejector nozzle pressures
- Inspection of all accessible mechanical components: visual inspection and functional check
- Inspection of equipment operation: check of flow pattern using test smoke and resetting of equipment parameters if required

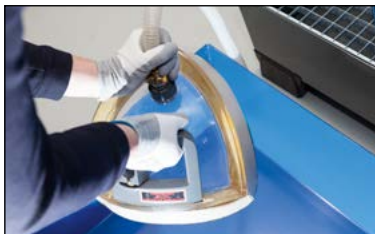


DENIOS All Inclusive Cost: please ask for details

Spill pallets (visual / technical)

- Technical sealing test using weld seam test process (unique vacuum pump test method)
- Visual inspection for damage and defects
- Corrosion
- Contamination

Price plus one-off travel cost flat-rate per site, if the inspection is not carried out after an inspection of a technical room system or hazardous materials cabinet.



DENIOS All Inclusive Cost: on request

Cabinets for hazardous substances, chemicals, acids & alkalis, lithium-ion cabinets

- Functional inspection and maintenance of mechanical parts
- Safety inspection
- Fire protection inspection with respect to usability (only cabinets DIN 12925/EN 14470)
- Ventilation inspection
- Visual inspection

Price plus one-off travel cost flat-rate per site.



DENIOS All Inclusive Cost: on request

Recirculating air filter units

Replacement of the recirculating air equipment filter

- Inspection of the recirculating air equipment
- Replacement of the filter unit
- Disposal of the old filter unit



Price plus one-off travel cost flat-rate per site, if the inspection is not carried out after the inspection of a hazardous materials cabinet, chemicals cabinet, or acid & alkali cabinet.

DENIOS All Inclusive Cost: on request

Hazardous substance workstations

- Visual inspection of the safe condition of the hazardous substance workstation including operational ventilation inspection using manufacturer's instructions
- Fault analysis
- Measures to prevent wear
- Functional inspection of functional control unit
- Report on maintenance work
- Immediate repair in accordance with DIN 31051
- Legally-compliant marking, inspection of documentation

Price plus one-off travel cost flat-rate per site.



DENIOS All Inclusive Cost: on request

bio.x cleaning tables

With test report

- Inspection of insulation
- Functional inspection of components
- Safety inspection of all functions, replacement of faulty components if necessary
- Draining and refilling the tank
- Visual inspection for damage and defects



DENIOS All Inclusive Cost: on request

Can't see your product?

We test many more products you may be using, e.g. gas warning equipment, extinguishing equipment and barriers, storage systems, mobile fuel tanks, smoker booths, eye showers and emergency showers, drum handling and full masks. Get in touch!

Repair service including original replacement parts

- Repair of your room system by qualified, trained DENIOS service technicians
- Use of original spare parts
- Clarification of the replacement parts actually needed directly in the briefing with our claims department or from the damage survey carried out by our service technicians on site
- Repair and proof, based on our currently applicable assembly and maintenance terms and conditions
- Reduction of calculated repair costs through the use of in-house, qualified personnel



The DENIOS All Inclusive Cost covers all additional costs such as travel, expenses and accommodation costs, etc. There are no extra costs at all!

DENIOS All Inclusive Cost: please ask for details

i Do you know if your DENIOS product needs to be inspected?
01952 811 991
 Just ask us!



On-site service analysis of your DENIOS products

- Detailed overview of your active DENIOS products including photo documentation
- Simplified procurement of replacement parts
- Shorter reaction times when service is needed
- Reduction of costs and unplanned downtime
- Basis for customised additional service plans
- Note of adjustments needed for currently available products or follow-on products
- Provision of notices concerning legal alterations made to our products
- Recommendations for prescribed maintenance schedules depending on product type

Warning! If, following this analysis, you choose to agree corresponding maintenance contracts with us for your products, the costs for your inventory may be calculated pro rata!



DENIOS All Inclusive Cost: please ask for details



Assembly service for technical room systems

- The room system is unloaded by the customer
- Installation and alignment of the system supplied
- Levelling for unevenness up to 10 mm (does not apply to room systems Models WFP and RFP)
- Removal of transport safety devices
- Securing the system to the prepared floor
- If necessary, assembly of additional components on the supplied system
- Handover of documentation

Notice: for the unloading and assembly service, there must be a person available at the customer's site for safeguarding purposes.



DENIOS All Inclusive Cost: please ask for details

Provision of lifting equipment for assembly

- Provision of suitable lifting equipment (for example forklifts, truck-mounted cranes, aerial work platforms), which are required for assembly work
- A fixed price is given for provision of the lifting equipment
- If delays are incurred due to construction difficulties, which mean that the lifting equipment needs to be rented for a longer period, the cost will rise accordingly



DENIOS All Inclusive Cost: please ask for details

Unloading service for room systems

- The unloading site must be able to be reached by a heavy goods vehicle via a reinforced access
- Unloading takes place within the swivel range of the crane
- The unloading area must be free of projecting edges
- Professional attachment of lifting equipment
- Unloading the room system
- Handover

Notice: Preparations must be made at the customer site for the unloading & assembly service. Speak to us directly beforehand!



DENIOS All Inclusive Cost: please ask for details

EXPERTISE

EXPERT ADVICE

SERVICE

HEAT CHAMBERS FROM THE EXPERTS

DENIOS heat chambers have proven themselves worldwide in many sectors and numerous applications. Our range of standard solutions has continually developed and offer optimum products for individual applications. In addition, DENIOS has extensive experience in creating individual projects such as tempering large quantities or seamless integration into production processes. It's not an issue if there is a limited space available, or in-house company components need to be used in the project. The DENIOS team will take care of your project from the planning stage right to manufacture and then regular maintenance.

Heat chambers with the highest standards

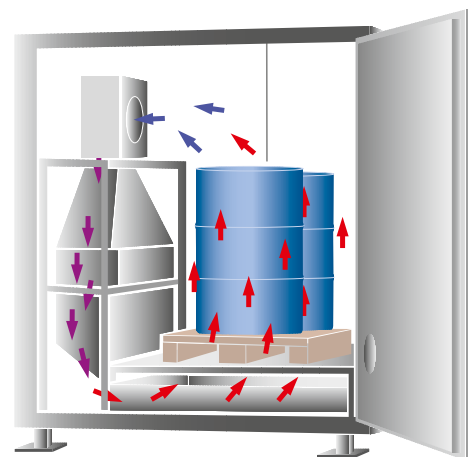
Each of our heat chambers are designed to ensure the required temperature is reached quickly and reliably, even when ambient temperatures are not stable. This is the role of the central components

- heat exchanger
- air distribution
- all round insulation materials and
- precise control system

Based on core components the System Container can be customised with a wide range of equipment and accessories. These include doors, heating, ventilation, fire protection and many more. Every system is individually designed to met your requirements, no matter how complex.



- ① Insulation with a high thermal insulation value
- ② Door contact switch (optional)
- ③ Air circulation fan with weather protection
- ④ Control system including temperature regulator
- ⑤ Heating system (electric, steam, thermal oil or warm water)
- ⑥ Safety temperature limiter
- ⑦ Pt100 sensor to record the temperature
- ⑧ Integral sump
- ⑨ Base plate for anchoring, 100 mm ground clearance
- ⑩ Spill guards
- ⑪ Shelf guards
- ⑫ Tight sealing doors with a safety lock

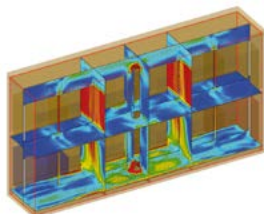


Heating system sketch: turbulent flow around the container for efficient heating

A radial fan draws the air from the upper part of the heat chamber and passes it through a downstream heat exchanger where it is heated. Air ducts channel the heated air back under the products. This turbulent air flow quickly creates uniform heating of the products. The interaction between the heat exchanger, the air flow, the fan and the air duct geometry is essential to ensure that temperatures are evenly distributed around the entire system.

DENIOS.
onlineshop

DENIOS Thermotechnology
– Effectively heat, cool or
maintain materials



[www.denios.co.uk/
thermotechnology](http://www.denios.co.uk/thermotechnology)



Thermal preparation with added value

A solid frame in welded profile steel and a certified spill pallet which complies with the water laws (WHG) form the basis for our heat chambers. Insulation on all sides reduces heat transfer to a minimum. The insulation used consists of 100 mm thick composite panels, with a fire resistance classification of EI 120 (in accordance with EN 13501). In the thermally insulated door area, silicone seals are used and integrated safety locks ensure minimum energy losses. Heaters and controls are fitted to meet your requirements. You decide the capacity and layout.

- Reliable, constant temperature
- Energy saving and efficient
- Low operating costs
- Short warm-up times
- Spill pallets meet WHG
- Fire-rated design to REI 120 (optional)
- Ex-proof design to ATEX (optional)
- GMP-compliant design (optional)
- Silicon free design (optional)

Heaters to meet your individual requirements

Factors such as energy source, safety or space available play a key role in having a system that serves your requirements. DENIOS will produce heating equipment for your thermal system, which is directly suited to your product requirements.

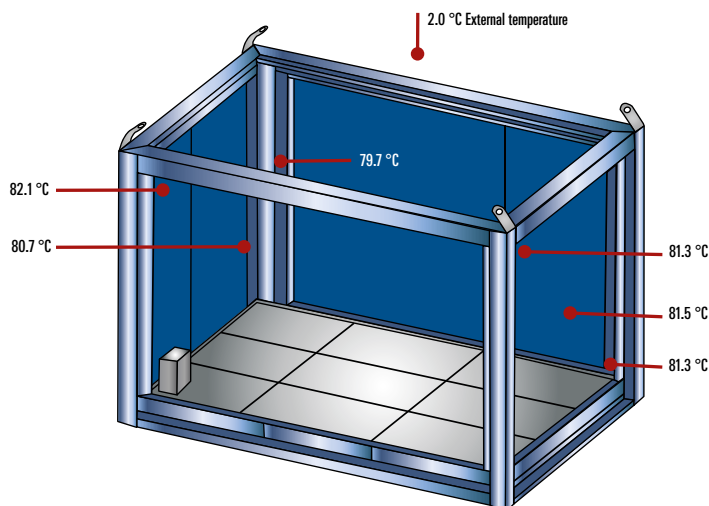
We offer efficient combinations of heating and air recirculation systems to ensure a short warming time combined with uniform temperature distribution. Choose between:

Electrical supply: complete flexibility and low costs when connected to your power network

Valve controlled energy supply: steam, thermal oil or warm water. Use the available process heat or make economic use of your waste heat

Schematic representation

This schematic shows virtually equal temperature distribution at all the relevant measuring points. An external temperature of 2 °C and a target internal temperature of 81 °C yields temperature differences of just 2.4 Kelvin. This result is achieved by making use of the very best heating, ventilation and insulation components.



[www.denios.co.uk/
consultation](http://www.denios.co.uk/consultation)



EXPERTISE

EXPERT ADVICE

SERVICE

GOOD PLANNING, GOOD OUTCOME!

8 important questions to discuss when planning a new heat chamber

Planning a heat chamber often brings up many questions: What functions should the heat chamber have? What size is required for the products to be heated? Which local conditions must be taken into account? In the following, we use eight questions to provide you with the planning factors you need when investing in preparation equipment for heating materials for further processing in production. We'll find a solution for everything. That's why you'll also find information about the DENIOS range of services in the planning notes. If you've still got questions, we'll be happy to help on-site!

1 Which material will be handled?

The heat chamber must be tailored to the material to be processed and the containers in which the material is placed in the chamber. Material quality and quantity are decisive for the technical design of the equipment. In addition to the technical process, the hazard potential the material poses must also be taken into account, e.g. in the case of water-polluting substances or hazardous substances. In addition to personal and product protection, measures for water, fire and explosion protection must be observed if necessary. The operator is responsible for the risk assessment and consequent suitable protection measures.

DENIOS is an expert in technical solutions for handling hazardous substances. The range of products includes heat chambers with an integrated spill pallet for the treatment of water-polluting substances. Do you also need solutions for the (intermediate) storage of temperature-sensitive, hazardous substances? We would be happy to analyse your needs and configure a temperature-controlled hazardous materials store for you from our own production.

2 What throughput quantity is planned in what time period?

If a new process plant is installed, for which preheating or melting of the process materials is necessary, there are no values based on experience available for the required throughput and duration of the preparation process. These depend not only on the viscosity and container size or quantity of the material, but also on the efficiency of the heat chamber. As incorrect planning could lead to an investment which does not provide the desired result and has associated high follow-on costs, we recommend the temporary use of a rental heat chamber.

At DENIOS we have already implemented new systems that have surpassed old systems, with efficiency increases of up to 50%. We achieve this through the optimum interaction between air heating, flow geometry, controlled air volume and thermal insulation within the DENIOS heat chamber.

3 Which energy sources can (efficiently) be used for the heat chamber?

Electric current is the most frequently used energy source for a heat chamber energy supply. However, your general situation can also favour using your process or waste heat, whether in the form of steam, thermal oil or hot water. Take the choice of energy source into account when planning your treatment plant, as the plant components are selected to suit it. You may be able to claim subsidies for investing in an energy-efficient treatment plant.



Expertise at all levels

- UK Laws & Regulations
- Help & Guides
- safety@work – Your DENIOS safety update
- Case Studies

[www.denios.co.uk/
expertise](http://www.denios.co.uk/expertise)



4 Which structural conditions have to be considered in the planning?

Available space, accessibility, traffic routes and media connections are restrictions that should be taken into account in the design of your heat chamber. These structural conditions must be used as economically as possible. In the case of severe restrictions, a custom solution must usually be planned. A modular construction or outdoor installation are also possible variants.

5 How is the process flow planned?

As a rule, the process flow for heating substances for further processing in production can be illustrated using the following process steps:

- Possible (intermediate) storage of the unprocessed raw materials
- Preparation for processing
- Placing in the preparation equipment or heat chamber
- Goods through-flow or output of the prepared materials
- Transfer of the material between preparation and processing plant to preparation for further processing

The planning of the individual process steps not only affects the design of the heat chamber. Handling of the material should also be considered. Are handling devices such as forklift trucks or drum lifters required? Which work processes must be carried out by the operating personnel? What is the extent of automated processes (degree of automation: zero to fully automated operation)? Which requirements result from the process control technology?

The added value to be expected from automation depends on the technical process and the general conditions (e.g. economy and accessibility). In our experience, the integration of an automation solution works best when everything is controlled by one party, from the needs analysis to implementation and commissioning. This prevents information being lost where interfaces occur. We are a single source, offering all the services needed for your automation solution. We would be happy to advise you on the possibilities of a fully automated DENIOS heat chamber 4.0.

6 What are the requirements regarding process documentation and quality control?

Process documentation and quality control accompany the preparation process and should therefore be taken into account in process planning and supplier selection. Here too, the question of the desired degree of automation needs to be considered. In order to ensure a consistently high material quality throughout the entire treatment process, it may be necessary to record the circulating air temperature and the core temperature of each individual container and to document this in a way that can be checked.

7 Which industry-specific requirements should be considered for the heat chamber?

Industry-specific factors such as GMP requirements in the pharmaceutical industry and HACCP concepts in the food industry may need to be added to the requirements profile.

GMP: Good Manufacturing Practice

HACCP: Hazard Analysis and Critical Control Points

8 How important is international support to you when selecting suppliers?

If your company is set up internationally and you want to implement the same production or quality requirements throughout the group, then you will benefit from a supplier who has a corresponding international network, which also includes service and maintenance. Worldwide certified manufacturing processes and products provide the assurance that the supplier's quality promise will be kept.

We will not leave you to plan your heat chamber alone. It's important to us to be able to offer the right level of advice in person. Let us know your requirements and we'll find the right solution for you.

**Expert advice: Tel.
01952 811 991**

**Take a look at the custom engineered and manufactured solutions for our customers:
www.denios.co.uk/casestudy**













2

HANDLING HAZARDOUS MATERIALS

GET CONTROL OF HANDLING

When handling hazardous materials there is a high potential risk. We offer professional aids for safe transport and handling as well as solutions for cleaning up leaks and preventing their spread.



292	Drum and container pumps, mixers		322	Earthing cables and systems	
316	Drum, gas cylinder and IBC heating jackets		326	Lubrication technology, cable reels and liquid mixers	
318	Drum, gas cylinder and IBC heating jackets, for Ex zones		327	Drum accessories, drum taps and drum funnels	
320	Induction drum heaters for Ex zones		342	Drum dollies and trolleys	
321	Heating belts and base heating plates for drums		352	Drum lifters and forklift attachments	

**366**

Gas cylinder handling

**368**

DENSORB absorbent fleece products and oil barriers

**402**

DENSORB leak emergency spill kits

**415**

DENSORB absorbent granules

**420**

SpillGuard® hazardous substance leak warning system

**422**

Drain sealing system

**427**

Leak containment systems and drum bandages

**428**

Leak spill pallets

**430**

Safety drums and drum overpacks



EXPERTISE

EXPERT ADVICE

SERVICE

OUR 3 STEPS TO THE RIGHT PUMP

1 Area of application

Pumps enable safe and precise filling from drums, e.g. into smaller containers. Depending on requirement, they are available in various designs. Important factors for optimum product selection are, for example, the container size, the desired flow rate and, last but not least, the suitability of the pump for the medium to be filled. The following section will tell you how to select the optimum pump for your application.

The most important criterion when selecting the right pump is the material to be pumped. Liquids vary greatly in their viscosity and chemical properties. There is no pump that can handle all fluids satisfactorily - and of course the pump must also be resistant to the fluid to be filled. Depending on the requirements, pumps are therefore optimised for different hazardous substances:

Pumps for mineral oil products

**Rotary pumps
In aluminium, 2" thread**

With twin gears and galvanised immersion pipe. Ideal for light mineral oils and heavier machinery and lubricant oils, with a viscosity of max. 900 mPas at 20°C.

Pumps for chemicals, acids and alkalis

**Electric drum pumps
In polypropylene (PP)**

With 230 V / 200 W motor
Includes 3 m cable and plug.
Suitable for hydrochloric, battery and formic acid (50%), developer and chloric acid.

Pumps for flammable liquids

**Electric drum pumps
With pump unit in stainless steel
and 2" thread**

Ready to use set incl. immersion tube, 2 m hose, nozzle and drum adapter. With 230 V / 460 W motor includes 5 m cable, safety plug (Type of protection IP 54) and equipotential bonding cable. Tested and approved to Ex II 1/2 G IIB T4. Suitable for solvents, petrol, paraffin, ethanol, methanol, butanol and kerosene.

DENIOS.
onlineshop



Your ideal product is just a
few clicks away!

www.denios.co.uk/pumps



DENIOS tips for better safety when filling from drums

Always remember your personal protective equipment (PPE)

Before beginning dispensing or filling tasks, suitable PPE must be worn. This should include safety glasses and protective gloves as a minimum. Depending on the substance to be pumped, you may need an apron or suitable respirator mask. If a worker is working alone, monitoring measures must be taken to provide rapid assistance in the event of an emergency.

Take precautions to catch any drips

When pulling out the pump, any liquid running out can lead to drips. Safety stands for drum pumps with integrated spill pallets offer reliable protection. Keep suitable absorbent materials close at hand. Place the drum on a spill pallet, use special dispensing platforms and/or use funnels to collect drips.

» www.denios.co.uk/shop

2 Operation

Manual, electric or pneumatic? Depending on how often and for what pumped substance you will use your pump, there are various types of operation. While electrical and pneumatic pumps are generally designed for larger containers and permit quick filling of large quantities, manual pumps are more suited to occasional dispensing of smaller amounts. The viscosity of the medium pumped has a considerable influence on the selection of operation type. We've summarised the advantages and disadvantages for you:

Pumping from large containers?

Need to draw some liquid from a drum quickly and easily? A manual pump does the job. Depending on model, the immersion tube can be adjusted to the container depth, allowing small quantities to be taken from larger containers. For filling larger quantities from drums or from an IBC, electrical or pneumatic pumps are more suited. Models with sets of immersion tubes in different lengths are available.

Electric or pneumatic?

On the one hand, this depends on the connections available during operation. On the other hand, pneumatic pumps can achieve better results especially with "difficult" materials. Pneumatic diaphragm pumps are even suited to abrasive substances or ones containing solid material and also extremely high viscosity substances.

Manual drum pumps	Electric or pneumatic pumps
<ul style="list-style-type: none"> + Quick and easy to use + Cost-effective - Need a lot of energy and time for high flow rates - Need a lot of energy and time for viscous substances - Sometimes not suitable for high flow rates - Not suitable for long term operation 	<ul style="list-style-type: none"> + Efficient and ergonomic for high flow rates + Efficient and ergonomic for viscous substances + Suitable for frequent and / or long term operation - Pneumatic or power connection required on site
From page 294	From page 300

3 Special requirements & practical accessories

Special applications need special pumps. The comprehensive DENIOS range contains numerous pumps for special requirements:

- Gas-tight pumps for odour-free filling of strong smelling substances e.g. ammonia
- Mini pumps for safe dispensing of small quantities in laboratories
- Specially tested and approved pumps for the food or pharmaceutical industry
- Mobile pumps which combine the performance of a pneumatic pump with optimum flexibility
- Dry running pumps for use when the container needs to be emptied from below (near to the floor)

For optimum results, you can also choose from a wide range of accessories. Here you will find, for example, flowmeters, anti-static sets for static electricity discharge, level indicators or drum wedges for inclining drums for optimum emptying. Drum pumps generally have a suitable drum thread for each application or to suit the container material. For all other applications we have suitable thread adapters in our range for common container sizes.

The complete selection can be found in our current main catalogue and our Online Shop.

» www.denios.co.uk/shop

§ The DENIOS Hazmat manual

Our resistance list will help select suitable manual drum pumps. Find it and more useful information in our Hazmat Manual.

Order no. 188-294-J1

We would be pleased to provide you with advice!

Do you need advice on storing hazardous substances with spill pallets? Our expert team would be happy to help.

☎ **01952 811 991**



Pumps with optimum barrel emptying - also available as an Ex version.

See page
309

EXPERTISE

EXPERT ADVICE

SERVICE

RESISTANCE LIST FOR SELECTING MANUAL DRUM PUMPS

When selecting the right hand pump it's important to know the container size and type as well as the required pumping capacity together with the suitability of the pump for the medium to be dispensed. The pump must be resistant to the medium to be dispensed, in many areas health and safety and environmental regulations must also be observed e.g. explosion protection.

Here you'll find information on common liquids and their relevant chemical resistant pump sets.

Highly flammable media and solvents.

From page
294

see
resistance
list.

Acids and alkali

From page
296

**For larger
containers (> 60 L)**

From page
296

**For smaller
containers (< 60 L)**

From page
299

**Hand pumps for mineral oils
can be found**

From page
300

Example media		Stainless steel drum pump	FL 205 lever pump	Solvent pump	PP drum pump	PTFE drum pump	950 lever pump	PP piston pump	PP gas tight drum pump	OTAL-pump in PP *	OTAL-pump in PVC *	OTAL-pump in PVDF *	OTAL-pump in V2A*	Canister pump *	Transfer pump Red	Transfer pump Blue	Transfer pump Green
		> 60 litres									< 60 litres						
Recommended container size		294	294	295	296	296	297	297	298	298	298	298	299	299	299	299	
Catalogue page		294	294	295	296	296	297	297	298	298	298	298	299	299	299	299	
Acetone	⚡			○													
Acetonitrile	⚡			○													
Formic acid						○											
Ammonium hydroxide		●		●	●	●			○	●		●	●		●		
Benzine	⚡	○		●													
Chlorine water						○											
Acetic acid		●		●	○	●		●	●	●		●	●				
Ethanol	⚡			○													
Ethyl acetate	⚡			○													
Hydrofluoric acid						○											
Formaldehyde		●		●	●	●			○						●		
Glycol/Ethylene glycol		●	●	●	○	●	●	●	●	●		●	●	●	●	●	
Isopropanol	⚡			○													
Kerosene	⚡	○		●													
MEK Methyl ethyl ketone	⚡			○													
Methanol	⚡			○													
Naphtha		○		●		●											
Sodium chloride					●	○	●	●	●	●	●	●		●	●	●	
Sodium hypochlorite						○											
Sodium hydroxide			●		○	●			●	●	●			●			
Cellulose thinners	⚡	○		●													
Perchloroethylene						○											
Phosphoric acid					●	○			●	●	●	●		●		●	
Nitric acid 1 – 10 %		●		●	○	●			●	●		●				●	
Nitric acid 50 – 70%						○						●					
Nitric acid 100 %						○											
Hydrochloric acid					○	●											
Sulphuric acid 1 – 80 %					○	●				●	●	●				●	
Sulphuric acid 95 – 100 %						○											
Turpentine	⚡	○	●	●													
Toluene	⚡	●		○													
Trichlorethylene						○											
Peroxide 1 – 30 %					○	●			●	●		●		●		●	
Peroxide 100 %						○											
Xylene	⚡	●		○													

- Suitable for the given medium.
- Recommended for the given medium.
- ⚡ Highly flammable / earthing required

* Stopper in PVC, not in direct contact with the medium

RESISTANCE LIST FOR SELECTING A ELECTRIC DRUM PUMP

The following 5 variants are also available as a set in a ready to use fitting. The following catalogue pages contain information on all sets and pumps and their applications as well as other types of pump models and their applications.



Important note

The following results have been determined on the basis of laboratory tests using raw materials. Plastic parts made from the raw materials are often subject to influences which are not able to be recognised in laboratory tests. The values given are therefore only recommendations. Claims may not be made based on this information. In case of doubt, we recommend that a test is carried out. In addition to chemical resistance, other relevant regulations e.g. explosion protection will also need to be considered.

Mediumsexamples	Set 1	Set 2	Set 3	Set 4	Set 5
Battery acid	• ⁽¹⁾	•	•		
Formic acid *	• ⁽¹⁾	•	•		•
Ammonia water	• ⁽³⁾		•		
Petrol					•
Bleach (Sodium Hypochlorite)	• ⁽³⁾		•		
Borsäure	• ⁽³⁾	•	•		
Boric acid					•
Calciumchloride	• ⁽³⁾	•	•		
Chlorine water	• ⁽³⁾		•		
Diesel	• ⁽²⁾		•	•	•
Iron (III Chloride) **	• ⁽¹⁾	•	•		
Acetic acid *	• ⁽¹⁾	•	•		•
Ethanol					•
Ethyl acetate					•
Formaldehyde	• ⁽³⁾		•		
Film / photo developer	• ⁽¹⁾	•	•		•
Antifreeze (Ethylene glycol)	• ⁽¹⁾	•	•	•	
Ethylene glycol	• ⁽¹⁾	•	•	•	•
Heating oil	• ⁽²⁾		•	•	•
Potassium permanganate	• ⁽³⁾		•		
Kerosene (Jet Fuel)					•
Salt water	• ⁽¹⁾	•	•		
Mineral oil	• ⁽²⁾		•	•	•
Methanol					•
Methylglykol					•
Lactic acid	• ⁽³⁾		•		
Caustic soda **	• ⁽¹⁾	•			
Sodium chloride	• ⁽¹⁾	•	•		
Sodium hypochlorite	• ⁽³⁾		•		
Cellulose thinners					•
Perchloroethylene	• ⁽³⁾		•		
Petroleum					•
Phosphoric acid **	• ⁽¹⁾	•	•		
Propanol					•
Hydrochloric acid	• ⁽¹⁾	•	•		
Nitric acid			•		
Foaming agent	• ⁽¹⁾	•	•	•	
Lubricant	• ⁽²⁾		•	•	•
Sulphuric acid	• ⁽³⁾		•		
Silicone oil	• ⁽²⁾			•	
Turpentine					•
DI water (De Ionized)	• ⁽¹⁾	•			•
See additional pump on these pages	302	303	303	307	305

*depending on the concentration of the acid, an explosion proof design may be required (Set 5).

** depending on the concentration of the acid, a design with a higher motor performance may be required (Set 2 and 3).

Pump set 1 (PP / stainless steel / PVDF)

Acids and alkalis laboratory use

PP: (1)

Stainless steel: (2)

PVDF: (3)

See page
302

Pump set 2 (PP)

Acids and alkalis industrial applications

See page
303

Pump set 3 (PVDF)

Concentrated acids and alkalis

See page
303

Pump set 4 (Alu)

Mineral oils, lubricants

See page
307

Pump set 5 (stainless steel)

Solvents, Ex-proof



See page
305

Not found your medium? Or have a question? We'd be happy to help - just give us a call!

01952 811 991

Foodstuff pumps in accordance with EC 1935/2004 and FDA regulations



See page
309

Drum pumps manufactured from stainless steel

- Ideal for pumping flammable liquids
- Tested and suitable for EX zone: IIA T4 zone 0
- Good emptying of drum residual due to submerged non-return valve in the base
- Submersion pipe Ø 32 mm
- Not suitable for acetone
- Incl. Drum screw connection in nickel-plated brass for r2" steel fine thread internal (gas-tight screw connection optional)



Drum pump with hose and ball valve, 910 mm immersion depth, Order no. 117-664-J1.

Drum pump with extension nozzle, depth: 570 mm, Order no. 117-592-J1.



Immersion depth [mm]	Drum pumps manufactured from stainless steel	
	570	910
Delivery per stroke [l]	0.35	0.50
Design: Drip nozzle		
Order number	117-592-J1	117-594-J1
Design: PTFE hose, 1.2 M, conductive, lockable ball valve		
Order number	117-663-J1	117-664-J1

Please observe the required electrostatic charge conduction with flammable media (e.g. with the Anti static set)!

Order at the same time

Drum screw connection gas-tight

- Prevents the escape of gases hazardous to health from the drum
- For stainless steel drum pumps, R2" thread
- Check valve with 1/8" connection
- Nickel-plated brass, FKM seals



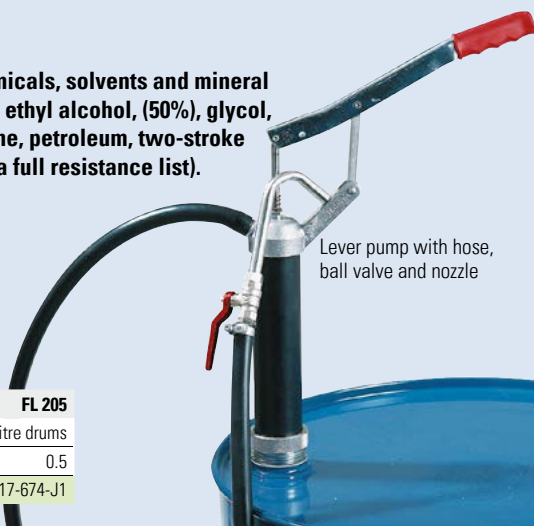
Order no. 146-678-J1

Lever pump, for solvents

- High pumping capacity
- Pump Model FL 205 pumps many chemicals, solvents and mineral oils e.g. ammonium chloride, butanol, ethyl alcohol, (50%), glycol, hexanol, caustic soda (45%), turpentine, petroleum, two-stroke oil and cold cleaners (please ask for a full resistance list).

- Telescopic immersion pipe
- PTFE seal
- With 2" drum thread
- With electrically conductive hose (1.5 M), ball valve and nozzle

Model	FL 205
Use	For 205 litre drums
Delivery per stroke [l]	0.5
Order number	117-674-J1



Lever pump with hose, ball valve and nozzle

Transport case

- For discharging static electricity
- Consists of 3 colour-coded copper connecting cables with clamping tongs in a practical plastic case



Order no. 116-058-J1

Drip safety stands for pump tubes

See page
297

Solvent pumps in stainless steel

- For dispensing high-purity fluids
- Approved for: IIA,b ex-zone 0



With foot pedal

- Recommended for acetone
- Sturdy and long-lasting
- Screw connection for r2" fine thread, for drums up to 220 litres
- Drum and pump can be hermetically closed by the screw connection and the stop valve to prevent undesirable vapours from escaping
- Submersion pipe steplessly adjustable to drum depth, pipe Ø: 21 mm
- Clip for quick attachment/removal of the air hose
- Fixed spout or flexible hose (1.2 m), each with stop valve in stainless steel / PTFE



Solvent pump with flexible dispensing hose and stopcock

Version with drip nozzle and stop valve

Hand operated

- For pumping organic solutions and flavourings safely
- Gas-tight and can be shut off completely by 2 ball valves
- Fixed drip nozzle with tap in stainless steel / PTFE
- Drum screw connection for r2" fine thread, for containers up to 60 litres
- Submersion pipe steplessly adjustable, pipe Ø: 15 mm
- Also available as version for tin plate canisters with Ø 35 mm pull-out spouts



The version for tin plate canisters fits on pull-out spouts Ø 35 mm



	With foot pedal
Immersion depth [mm]	950
Delivery volume max [l/min]	30
Order number with drip nozzle	157-587-J1
Order number with flexible hose	201-951-J1

	Hand operated
Immersion depth [mm]	600
Delivery volume max [l/min]	10
Order number For containers up to 60 litres	157-589-J1
Order number For tin plate canisters	210-335-J1

Mini solvent pump

NEW

- Safe dispensing of small quantities
- Suitable for Ex-Zone 0 IIA,B,C
- Ideal for containers 1 to 5 litres
- Thread GL 45
- Adapter for S 40, GL 38 and GL 32 available as an accessory
- Includes 2m earthing cable



Delivery volume max [l/min]	1.8
Order number Mini solvent pump	242-994-J1
Order number Thread adapter ETFE, GL45 – GL38	242-996-J1
Order number Thread adapter ETFE, GL45 – S40	242-995-J1
Order number Thread adapter ETFE, GL45 – GL32	242-997-J1



Mini solvent pump for bottles or canisters up to 5 litres for example



- Self-closing spout with auto-stop function, precision dispensing with no dripping.
- Ideal for emptying containers, even those with a domed base

Drum and pump must be earthed when dispensing flammable media! Additional earthing cable

From page
322

Polypropylene (PP) drum pumps

- For the extraction of various chemicals, acids, alkali, cleaning fluids etc
- For 60 - 205 litre drums
- Piston rod metal, PP-sheathed
- PTFE seal
- Good drum residual emptying due to submerged non-return valve in the base
- Incl. Drum screw connection in PP (Mauser 2")
- Immersion pipe Ø mm: 32



With optional drip nozzle or flexible PVC dispensing hose (1.2 M) and stop valve

Immersion depth [mm]	500	650	800	1000
Delivery per stroke [l]	0.20	0.25	0.27	0.30
Order number with drip nozzle	117-600-J1	117-604-J1	117-605-J1	117-606-J1
Order number with flexible hose	148-418-J1	148-422-J1	148-424-J1	148-426-J1

Ultra clean drum pump out of PTFE

- For dispensing high-purity fluids
- For many liquids that attack PP or PVC, also for hydrochloric acid up to 33 %
- The stop valve prevents the escape of vapours that pose a health hazard and any dripping of liquid
- Parts that come into contact with the medium made of PTFE/FEP
- All valves of solid PTFE
- Immersion pipe Ø mm: 32
- Drum screw connections for standard drums available as an option



With optional drip nozzle incl. PTFE stop valve or with flexible dispensing hose (1.2 M) incl. PVDF Tap

Immersion depth [mm]	400	600	950
Delivery per stroke [l]	0.18	0.27	0.40
Order number with drip nozzle	267-289-J1	193-714-J1	179-491-J1
Order number with flexible hose	267-290-J1	210-181-J1	210-182-J1

Order at the same time

Drum screw connection of PP

- To securely hold the pump in the drum
- Suitable for filling of non-flammable liquids

Drum threaded fitting	For threads	Order number
2" BSP/R2"	Fine steel drum inner	179-494-J1
2" Mausier	Coarse inner	179-495-J1
2" TriSure	Coarse inner	179-496-J1



Safety stands for drum pumps PP, PTFE, stainless steel and solvent pumps

- The safety drip stands securely catch residual liquid from pump tubes
- Pipe internal Ø: 35 mm
- Length: 1000 mm
- Incl. Pipe clips for wall mounting and screw-off collection container

Incl Pipe clips for wall mounting and screw-off collection container

Order no. 179-493-J1





Order no. 121-601-J1

Polypropylene Rotation Pump

- Simple to operate plastic pump (PP, PPS) for pumping acids, alkali and aqueous solutions
- Suitable for 60 or 205 litre drums with 2" TriSure bung hole
- 3-part submersion pipe kit
- Pumping capacity: approx. 0.25 L/stroke
- PTFE seal
- Max. Viscosity approx. 430 mPas for aqueous solutions with density 1

Thread adapters

See page
330

Lever pump 950 in plastic

- Self-priming, robust polyethylene (PE) pump
- With nitrile seal, for pumping many chemicals (e.g. Glycols), anti-freeze agents, rapeseed oils, biodiesel
- Telescopic suction tube for 60 and 205 litre drums
- Variable immersion depth up to 960 mm
- Pumping capacity: approx. 0.3 ltr/stroke



Order no. 117-586-J1

Polypropylene lever action pump

- Ideal for pumping liquids up to 2200 mPas (not for oils)
- Easy dispensing of required quantities from drums
- Also good resistance to many chemicals (not suitable for: toluene, xylene, petrol, paraffin, trichloroethylene, turpentine substitute)
- Rotatable about its own axis – so containers can also be placed on the drum lid for dispensing
- Submersion pipe steplessly extensible up to 950 mm
- Pumping capacity: approx. 0.35 Litres / stroke
- Thread: r2"



Order no. 117-577-J1

Stainless Steel Hand Pump

- Parts in contact with the media in stainless steel 316 / V4A and PTFE
- Universal use for medium viscosity mineral and lubricating oils, gear oils, additives, diesel, cleaning agents and aggressive chemicals, acids and alkali
- With spout, height adjustable 2" adapter and flexible PTFE immersion pipe
- for 60 - 205 litre drums
- Pumping capacity: approx. 0.2 l/stroke



Versatile: adjustable 2" screwed coupling for drums or stainless steel safety containers included, Order no. 117-231-J1

Drum dispensing shelf

- For 205 litre steel bung hole drums
- The dispensing container stands securely on the lowered surface of the dispensing podium
- Increases safety when dispensing as the container does not need to be held firm
- With openings for 3/4" and 2" bung holes, e.g. for pumps or fill-level indicators, etc
- Height of surface to drum upper edge (mm): 320



Order no. 164-361-J1

OTAL dispensing pumps

- Dispense fluids safely, quickly and cleanly
- Simple and cost-effective - with high flexibility
- The fluid is pushed steadily out of the container by air pressure - even flow, no pulsing
- Upright tube fits container height so container can be fully emptied
- The three part Universal SOFT PVC bung ensures an air tight connection with the container - the OTAL dispensing pump can therefore be used on containers with opening diameters of 30 – 70 mm



PP pumps

- Resistant to weak acids, alkalis and cleaning agents



Pumps in PP:
physiologically
harmless and food safe

Pumps with hose in PVC 1.5 M

- Stop valve in PP/pe (Ø 10 mm), supply pipes PP

PVDF pumps

- Especially for acids and alkalis apart from strongly oxidising acids and alkalis. Resistant to chlorine bleaches

Stainless steel pumps

- For highly flammable fluids in hazard class AIII (VbF)

PP mini pump PP (hand operated)

- For containers up to 10 litres, immersion depth 450 mm
- Universal plugs in PVC for container opening diameter 20 – 36 mm

OTAL foot pumps

Both hands are free for filling

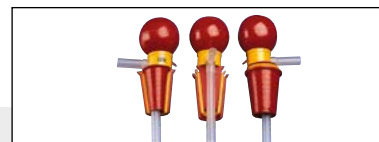


OTAL hand pumps

Especially compact and space saving



The three-part universal-plugs join pumps and containers together with an air-tight seal Opening diameter 30 – 70 mm



Material	Delivery volume max [l/min]	Diameter, immersion tube [mm]	Immersion depth [mm]	Order number OTAL foot pumps	Order number OTAL hand pumps
Stainless steel	26	18	900	179-483-J1	179-490-J1
PVDF	20	16	700	179-482-J1	179-489-J1
PVC	12	12	700	179-481-J1	179-488-J1
PP	30	22	900	179-478-J1	—
	26	18	700	179-479-J1	179-484-J1
	20	15	700	179-480-J1	179-485-J1
	14	12	700	—	179-486-J1
	4	10	450	—	179-487-J1

Drum pump, gas-tight

- The gas tight drum pump makes odour-free dispensing possible
- Gas-tight pumps are used for strong-smelling substances such as ammonia for example
- Pump of polypropylene (PP), gas and liquid hoses of PVC
- Steplessly extensible telescopic tube
- For drum and container depths of 400 - 670 mm
- Pumping capacity: approx. 200 ml/stroke
- With 2 stop valves (1 x each for the gas and liquid line)
- With 2 Universal adapters for container openings Ø 30 - 70 mm



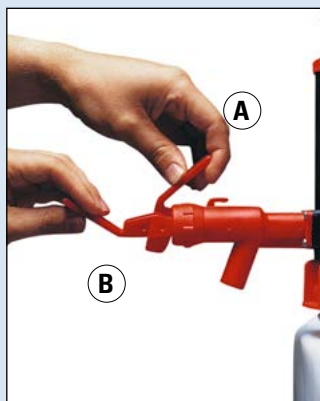
The fluid is pumped in a closed system. Vapours are safely returned to the container via the gas return pipe and do not escape into the surrounding atmosphere.



Order no. 200-215-J1

Dispensing and transfer pumps

- An overpressure is created using the manual plunger, which forces the fluid out of the container when the tap is opened
- Polypropylene pump body
- With three adapters (flexible seals) for bung diameter (inner) 49.5 to 60 mm and a 4 part intake pipe (immersion pipe length 950 mm)



The tap can be opened in 2 positions:
a: for precise dispensing of smaller quantities
B: locked – for continuous dispensing



Colour	Red	Blue	Green
Field of use	With EPDM seals for non-aggressive aqueous liquids	With nitrile seals for petrochemical liquids	With FKM seals for chemicals such as nitric acid (10%), sulphuric acid (60%), hydrogen peroxide (1-30%)
Delivery volume max [l/min]	8		
Order number	129-355-J1	129-357-J1	129-356-J1
Accessories	Transfer hose 1.5 M with nozzle		
Order number	129-358-J1	129-360-J1	129-359-J1

Canister pump

- Safe dispensing and emptying of canisters, carboys and drums up to 60 litres
- For acids, alkali and petrochemical liquids (not suitable for highly flammable liquids and hydrochloric acid)
- Easy to use: repeated operation of the hand pump creates excess pressure in the container, which pushes out the liquid when the stop valve is opened
- Exact dosing, no run-on
- Parts that come into contact with the medium in polypropylene, polyethylene and FKM
- Submersion pipe length: 550 - 1000 mm
- Steplessly adjustable supply pipe length
- Pumping capacity: 8 L/min
- Thread connection Ø: 64 mm (BSI) - incl. Adapter for r2" internal fine thread



Suction lifter with ball valve

For rapid dispensing of aqueous liquids from high containers to lower containers - according to the siphon principle: the liquid only needs to be aspirated once, therefore especially handy for emptying a container completely

- Ideal for occasional dispensing of liquids

- Suction lifter in LDPE/PVC
- Pumping capacity 9 L/min
- Incl. Sturdy ball valve of PP
- Transparent hoses – good view of liquid flowing through them
- Hose kink protector with hanging eyelet



Suction lifter, immersion depth 1000 mm, hose inner Ø 15 mm

Order no. 210-183-J1

Drum pump for petrol

For pumping low viscosity fluids such as mineral oils, diesel, heating oil EL/L, petroleum, fuels (flammable media of the previous hazard class ai-iii), antifreeze

- Suitable for Ex areas: IIA T3
- Diecast, for 205 litre drums with drum thread M 64 x 4 and R 2"
- Pumping capacity: approximately 0.25 ltr/stroke
- Immersion depth: 840 mm
- With conductive hose set DN 19 with anti-kink spring and discharge elbow



Order no. 117-561-J1

Hydraulic oil pump

Sturdy hand crank for drums, for pumping hydraulic oil, engine and gear oil from drums and tanks

- For pumping lubricating oils up to SAE 80
- Pumping capacity: approx. 0.25 L/stroke
- For drums and tanks, thread: 2"
- Includes hose kit 1.5 M, delivery elbow



Order no. 133-358-J1

Aluminium rotary pump

Ideal for light mineral oil and heavier machinery and lubricant oils, with a viscosity of max. 900 mPas at 20°C

- Pumping capacity: approx. 1 ltr / rotation (about 5 L / min for heavy oils)
- With twin gears and galvanised immersion pipe
- Switching from pumping forwards to pumping backwards, which is always possible, allows for optimum dispensing
- Thread: 2"



Order no. 117-585-J1

Rotary pumps in plastic

- For oils, corrosive and volatile chemicals
- With 3 part immersion pipe set in stainless steel, diameter 32 mm and 2" drum adapter
- Performance: approximately 0,35 ltr./Stroke
- PTFE seal
- Pump casing in PPS (polyphenylene sulfide)



Order no. 117-584-J1

Aluminium lever action drum pump

For e.g. Mineral oil products, anti-freeze

- With additional swivel arm and funnel-shaped storage area Drips flow safely back into the container
- Pumping capacity: approx. 0.5 L/stroke

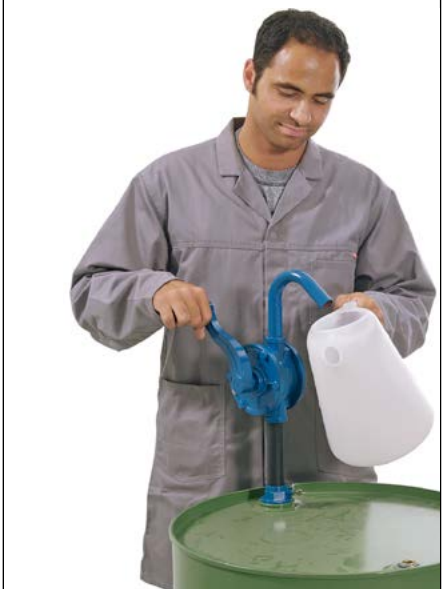


Order no. 157-298-J1

Light Aluminium Rotary Pump

Ideal for light mineral oils and lubricants

- With 3 piece immersion pipe set, adapts to different container sizes
- Performance: approx. 0.5 ltr / rotation
- Drum thread R 2"



Order no. 171-746-J1

Rotary pump in grey cast iron

For light mineral oils, machine oils for example

- With steel immersion pipe
- Pumping capacity: approx. 0.25 L/rotation
- Depth of immersion: 860 mm
- For 2" drum thread

Rotary pumps in cast iron,
Order no. 117-579-J1

Rotary pump in grey cast iron with additional swivel arm and funnel-shaped surface to feed drips safely back into the container,
Order no. 117-580-J1



Oil drum pump in die cast zinc

For pumping engine, hydraulic and gear oils up to SAE 80

- Pumping capacity approx: 0.25 L / stroke, single acting
- Immersion depth: 840 mm
- Adjustable drum thread for 2" drum threads
- With drip-proof outlet
- Locking device for padlock
- In corrosion-free die cast zinc

Jug, 1 litre (similar to image),
Order no. 117-408-J1



Order no. 117-563-J1

Drum pump for light mineral oils

For pumping low viscosity mineral oils

- Made from die-cast zinc
- Pumping capacity: approx. 0.15 ltr /stroke
- For 60 and 205 litre drums with R 2" drum thread
- 3 part plastic immersion pipe
- Immersion depth: 700 mm
- Incl. PVC hose and delivery elbow



Order no. 171-747-J1

Hand pumps in plastic

Made from polyethylene for pumping small quantities of liquid (light oils, aqueous solutions) e.g. In laboratories

- Pumping capacity: approx. 0.2 L/stroke
- Suction tube length: 840 mm
- Thread adapter 2"



Order no. 117-589-J1

Hand pump 960 in plastic

- For small containers with capacities up to 30 litres

For dispensing oil and non-aggressive liquids

- Suction pump with pistol handle
- Outlet hose (length: 1.5 M) with return valve
- Performance: 0.1 ltr/stroke
- External thread 2" fine



Order no. 129-354-J1

Manual oil pumps

- For 60 litre drums with a bung
- Manual pumps for extracting light mineral oil products

- Pumping capacity: approx. 0.15 ltr /stroke
- Thread adapter 2"



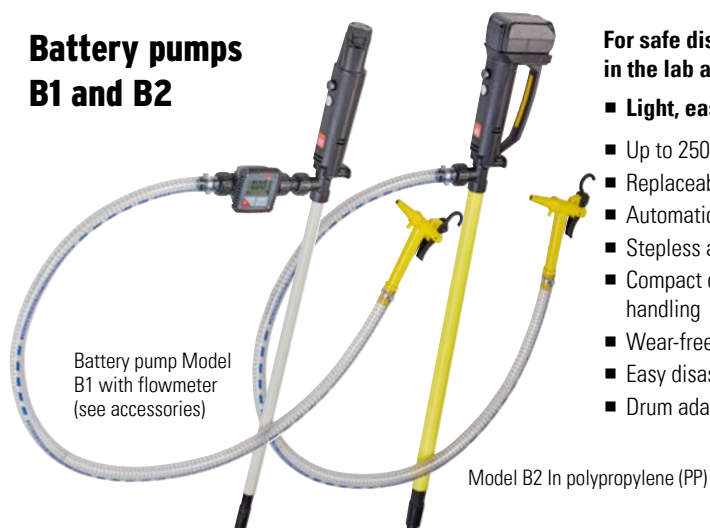
Order no. 123-552-J1



All drum pumps include a media resistant hose (1.5 m) and nozzle.
Please order battery and charger separately (see accessories).



Battery pumps B1 and B2



For safe dispensing from canisters and drums in the lab and in industry

- Light, easy to use and powerful
- Up to 2500 litres per battery charge (B2)
- Replaceable Li-ion battery
- Automatic overload cut-out
- Stepless adjustment for all requirements
- Compact design and low weight make for easy handling
- Wear-free, particularly low-noise BLDC motor
- Easy disassembly with quick-release fastener
- Drum adapter available as an accessory (B2)

Model	B1		B2	
Design	For smaller quantities		For medium to large quantities	
Pump interior material	PP		Niro	PVDF
Suitable for e.g.	Battery acid, ammonia water, developer, glycol, phosphoric acid, hydrochloric acid, hydrogen peroxide		Oil based lubricants, cold cleaning agents, softeners	Sodium hypochlorite, chloric acid, chromic acid, sulphuric acid, nitric acid and hydrofluoric acid
Output [W]	75		260	
Density max [kg/l]	1.3		1.6	
Viscosity max [mPas]	200		400	
Delivery volume max [l/min]	20		45	
Pump height max [mWS]	6		8	
Order number Immersion depth: 500 mm	267-769-J1	267-775-J1	267-778-J1	267-781-J1
Order number Immersion depth: 700 mm	267-770-J1	267-776-J1	267-779-J1	267-782-J1
Order number Immersion depth: 1000 mm	267-771-J1	267-777-J1	267-780-J1	267-783-J1

NEW



Accessories	Order number
Charger for pump B1	267-797-J1
Li-ion battery 10.8 V for pump B1	267-796-J1
Charger for pump B2	267-799-J1
Li-ion battery 21.6 V for pump B2	267-798-J1

Electric drum pumps



- For low viscosity acids and alkali, chemicals and more in laboratories and chemical industry
- Dispense safely into and from small containers
- Light and easy to use
- No seal and grease
- 230 V motor with A 3 M cable and plug
- Delivered complete and ready to use with a PVC process liquid and gas resistant cable (1.5M), nozzle
- And drum adapter

Safety-tested



IP 24



NEW

Pump interior material	Polypropylene			Niro			PVDF		
	500	700	1000	500	700	1000	500	700	1000
Suitable for e.g.	Hydrochloric acid, formic acid (50%), developer, chloric acid			Oil based lubricants, cold cleaning agents, softeners			Sodium hypochlorite, chloric acid, chromic acid, sulphuric acid, nitric acid and hydrofluoric acid		
Density max [kg/l]				1.3					
Viscosity max [mPas]				300					
Delivery volume max [l/min]	75			68			75		
Pump height max [mWS]*	7			6			7		
Order number	172-086-J1	172-087-J1	172-088-J1	172-089-J1	172-090-J1	172-091-J1	267-793-J1	267-794-J1	267-795-J1

*Maximum values at 20° Celcius



Accessories	Order number
Drum adapter 2" for lab pumps in PP/PVDF (B2 battery, el. drum pump)	187-552-J1
Drum adapter 2" for lab pumps in stainless steel (B2 battery, el. drum pump)	194-183-J1

Flow meter

NEW

- For B1 / B2 battery pumps and el. drum pumps for laboratory operation

For further details see right hand page.

Material*	Viscosity max [mPas]	Thread	Min. Measuring range [l/min]	Max. Measuring range [l/min]	Operating pressure max [bar]	Order number
PP	40	1" BSP	5	120	10	267-935-J1
PVDF	40	1" BSP	5	120	10	267-910-J1

*For stainless steel pumps on request

Electric industrial pumps

- For industrial usage to dispense low viscosity acids and alkali
- Light, handy pump for filling and refilling drums and containers

- High performance
- Splash-proof, seal-less
- 230 V motor with 5 M cable and plug



Available as pump (with immersion pipe, hose connector) or as ready-to-use set with pump, immersion pipe incl. Media resistant hose (2 M), nozzle and drum adapter



Safety-tested



Set with pump made from PVDF (Polyvinylidenfluoride)

Drum pump with pump interior in PP (polypropylene), set with hose, nozzle and drum adapter

Pump interior material	Polypropylene				PVDF	
Immersion depth [mm]	1000	1200	1000	1200	1000	1200
Suitable for	Sulphuric acid (up to 40%), phosphoric acid, battery acid, hydrochloric acid, iron (III) chloride (up to 30%), caustic soda		Aggressive atmospheres and media with a high concentration such as: ferric (III) chloride up to 50%		Chromic, nitric and sulphuric acid (98%), bleach, bleaching lye, zinc chloride, chlorine water	
Protection category IP	IP 24		IP 54			
Density max [kg/l]	1.4		1.6		1.8	
Viscosity max [mPas]	500				800	
Delivery volume max [l/min]	85		75		80	
Pump height max [mWS]*	19		16		17	
Order number Pump	188-569-J1	188-571-J1	188-572-J1	188-573-J1	188-574-J1	188-575-J1
Order number Pump set	117-529-J1	117-530-J1	172-094-J1	172-095-J1	123-550-J1	123-551-J1

*Maximum values at 20° Celcius



Pneumatic pumps

- Ideal for acids and alkali

Drum emptying

As accessories for the pneumatic diaphragm pump, for each pump we are offering a set consisting of an immersion pipe and suction pipe (for pump sizes 1/4" and 3/8"), A 3 M hose and a pump nozzle (permissible max. Pressure 3 bar)

Suction / pressure connector	1/4" BSP internal thread	3/8" BSP internal thread	1/2" BSP internal thread	1" flange
Suitable for	Sulphuric acid, phosphoric acid, caustic soda, hydrochloric acid, bleaching lye, photographic developer, formic acid, acetic acid			
Delivery volume max [l/min]	16	34	65	156
Order number	123-275-J1	172-107-J1	123-277-J1	123-278-J1
Accessories				
Order number Accessories set F. Drum emptying	123-284-J1	172-199-J1	123-286-J1	123-288-J1



Order no. 123-275-J1

Compressed air membrane pump PP / TF 1/4"

Flow meter

- For industrial pumps

- For measuring low viscosity acids and alkalis using the turbine impeller principle
- Large, illuminated digital display with variable position
- Precision measurement - better than $\pm 1\%$
- Flowmeter display
- Temperature range: -10 to max. +50° C
- Incl. two 1.5 V batteries (AAA)



NEW

Material	Viscosity max [mPas]	Thread	Min. Measuring range [l/min]	Max. Measuring range [l/min]	Operating pressure max [bar]	Order number
PP	40	1 1/4" BSP	5	120	10	267-933-J1
PVDF	40	1 1/4" BSP	5	120	10	267-934-J1

For your specialist applications



Safety-tested



Container pumps model cm

- **2 in 1 - mixer and pump**
- Ideal for media which have to be mixed and pumped, such as emulsions, dispersions and suspensions using water, oil, solids, etc
- The various materials used ensure suitability for nearly all media
- Suitable for 1000 litre IBCs and 205 litre drums
- 230 V motor / 500 W, 5 M cable and plug
- Order with optional accessories kit: ready to use pump incl. Media resistant hose (2.5 M), nozzle and drum adapter

Pump interior material	Polypropylene	Stainless steel	
Suitable for	Flocculation agents, polymers, chemical mixtures	Water-based paints and dyes, oil mixtures	Solvent-based paints and dyes, alcohol mixtures
Ex-protection class in accordance with ATEX	—	—	EX II 1/2 G IIB T4
Immersion depth [mm]	1200	1200	1200
Protection category IP	IP 24	IP 24	IP 54
Density max [kg/l]	1.1	1.1	1.2
Viscosity max [mPas]	150	350	200
Delivery volume max [l/min]	160	210	178
Pump height max [mWS]*	8	10	9
Order number	137-396-J1	137-397-J1	137-398-J1
Accessories			
Order number Accessories Set: 2.5 m hose, nozzle and drum adapter	138-199-J1	138-200-J1	138-201-J1

*Maximum values at 20° Celcius

Flow meter ■ For drum and container pumps

- For measuring low to medium viscosity media using the swash plate principle
- It is possible to save 9 calibrations
- Flow speed can be displayed at the press of a button

- Key lock to prevent operating error
- For applications up to max. 4 Bar
- Complete with pump connection
- Relay module for quantity preselection available as an option



Flowmeter for drum and container pumps

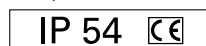
Additional cost - relay module for preselecting volume, non ex-proof version,
Order no. 121-590-J1

Ex-proof versions on request



Flowmeter for ex-drum pumps and Ex container pumps CM

Safety-tested



Flowmeter for food pumps

Use	Viscosity max [mPas]	Material	Min. Measuring range [l/min]	Max. Measuring range [l/min]	Order number
Explosion-proof	2000	Pps	10	100	137-395-J1
For container pumps CM, CP-A, CP-B See page 305	2000	Ppo	10	100	117-582-J1
For drum pumps for food (non Ex) and eccentric pumps See page 309	5000	Stainless steel	10	100	243-262-J1

Drum and container pumps, ex-proof

- Ideal for refilling solvents, petrol, alcohol, kerosene, etc
- Filling and refilling of material stored in drums or containers

- Pump made of stainless steel (niro)
- Tested according to Ex II 1/2 G IIB T4, approved according to ATEX
- Electric drive: 230 V / 460 W electric motor with 5 M cable and Schuko plug, protection class IP 54
- Includes equipotential bonding cable
- Pneumatic drive: 400 W
- Pump version for optimal residue emptying: considerable savings with minimal loss of product
- Maximum pumping characteristics for liquids, if optimally handled, the remaining residue will be smaller than 01 Litres

Safety-tested

IP 54

AtEx100



Available as pump (with immersion pipe, hose connector) or as ready-to-use set with pump, immersion pipe incl. Media resistant hose (2 M), nozzle and drum adapter

Version	Electric				Compressed air			
Design	① Standard	③ Emptying residues	② Standard	④ Emptying residues				
Immersion depth [mm]	1000	1200	1000	1200	1000	1200	1000	1200
Suitable for	Solvents, petrol, petroleum, ethanol, methanol, butanol, kerosene							
Viscosity max [mPas]	350		500		1000			
Delivery volume max [l/min]	95		77		124		67	
Pump height max [mWS]*	14				35		28	
Order number Pump	188-578-J1	188-579-J1	188-582-J1	188-583-J1	188-580-J1	188-581-J1	195-014-J1	195-016-J1
Order number Pump set	117-539-J1	117-540-J1	172-103-J1	172-104-J1	137-422-J1	137-424-J1	195-012-J1	195-013-J1

*Maximum values at 20° Celcius

Accessories	Order number
Additional cost - ex-plug, 3 pole, IP 65	137-421-J1
Flow meter	137-395-J1

Pneumatic diaphragm pump

- Niro-pumps - also ideal for the explosion-protected area

Drum emptying

As accessories for the pneumatic diaphragm pump, for each pump we are offering a set consisting of an immersion pipe, A 3 M hose and a pump nozzle (permissible max. Pressure 3 bar)

- Safe and reliable transfer of practically all media – even high viscosity media with solid particles, abrasive substances, sensitive media and media containing solid particles



Pneumatic diaphragm pump stainless steel / PTFE, 1/2"

Order number Accessories: Equipotential bonding cable

123-296-J1

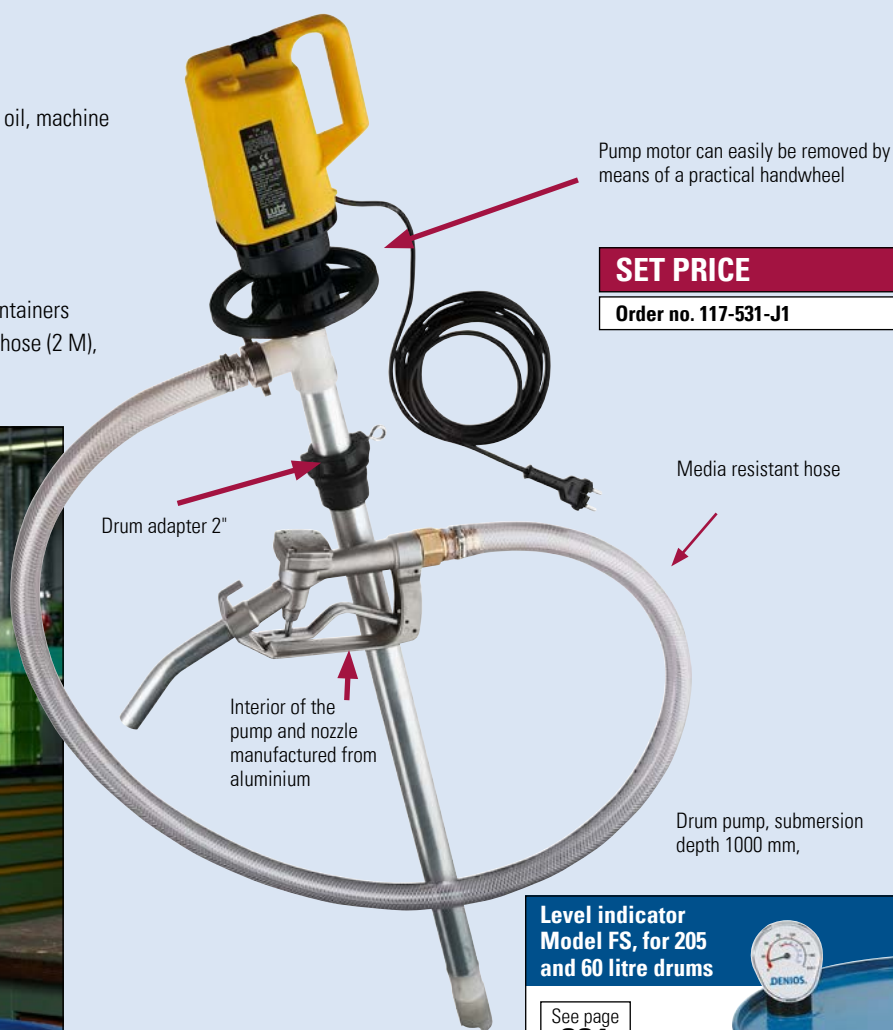
Suction / pressure connector	1/2" BSP internal thread	1" BSP internal thread
Suitable for	Alcohol, acetone, benzene, ethylacetate, kerosene, petroleum, nitric acid, methylacetone, trichlorethylene, turpentine, toluene, hydrogen peroxide, xylene, dyes, paints	
Ex-protection class in accordance with ATEX	Ex II 2 G C T4	
Delivery volume max [l/min]	48	156
Order number	123-282-J1	123-283-J1
Accessories		
Order number Accessories set F. Drum emptying*	123-292-J1	123-295-J1

*For acetone: accessories set available upon request



Electrical drum pump set for slightly viscous mineral-oil products

- Ready for use
- Efficient
- Easy and safe to use
- Suitable for dispensing diesel, heating oil, hydraulic oil, machine oil, engine oil, etc
- Suitable for idle running
- Pump interior in aluminium
- 230 V / 500 W motor with A 5 M cable and plug
- For low viscosity mineral oil products
- Filling and refilling of material stored in drums or containers
- Ready-to-use kit, including a pump, media resistant hose (2 M), nozzle and drum adapter



DENIOS Info

For selecting the most appropriate pump

Page	Application
302	Laboratory pumps for dispensing small quantities of acids and alkalis, battery and electrically driven, with battery operated flowmeter
303	Drum pumps and double diaphragm pumps for acids and alkalis for tough industrial applications, available individually or as a complete set – 205 litre drums or 1000 litre IBCs, with flowmeter
304	Mixing pumps, for media which tends to form sediment. Mix in the container, then pump with the same equipment.
307	Drum and container pumps as well as double membrane pumps especially for mineral oils, individually or as a complete set. If required, available with flowmeter.

Page	Application
305	For explosion-proof areas, electrical or pneumatic pumps are available. Optionally with optimum residual discharge. Double diaphragm pump and flowmeter for explosion-proof areas also available.
308	Container pumps with high flow rates. Dry running centrifugal pumps for emptying containers near the floor.
309	Stainless steel pumps and flowmeters in special designs for the food industry, also for pharmaceuticals and highly flammable foodstuffs, with approval to EC 1935/2004.



Let our specialists help you choose your individual professional solution. Telephone: 01952 811 991.

Electric Drum and Container Pumps

- For low viscosity mineral oil products
- Filling and refilling of material stored in drums or containers
- Suitable for idle running
- 230 V / 500 W motor with A 5 M cable and plug
- Pump interior in aluminium, alternatively available for vegetable oils (with pump and PP pump nozzle)

Pump (incl. Immersion tube, hose connection)

Safety-tested



Set with hose, nozzle and drum adapter

NEW

Pump interior material	Aluminium			Polypropylene	
Immersion depth [mm]	700	1000	1200	1000	1200
Suitable for	Diesel, heating oil, hydraulic fluid, machine oil, motor oil up to a viscosity of max. 500 mPa·s			Rapeseed oil (cold pressed) and vegetable oils	
Delivery volume max [l/min]	85				
Pump height max [mWS]	19				
Order number Pump	—	188-576-J1	188-577-J1	188-933-J1	188-934-J1
Order number Pump set	272-240-J1	117-531-J1	144-663-J1	172-097-J1	172-098-J1



The mineral oil pumps are available as a pump without inline fittings or as a complete pump set with hose, nozzle and adapter!

Flow meter

- For measuring mineral oils and alternative fuels
- Configured to display both the total amount and a resettable quantity
- With a long life lithium battery
- For applications up to max. 4 Bar

Use	Viscosity max [mPaS]	Material	Min. Measuring range [l/min]	Max. Measuring range [l/min]	Order number
For drum and container pumps	2000	Aluminium	3	80	172-096-J1



Pneumatic diaphragm pump

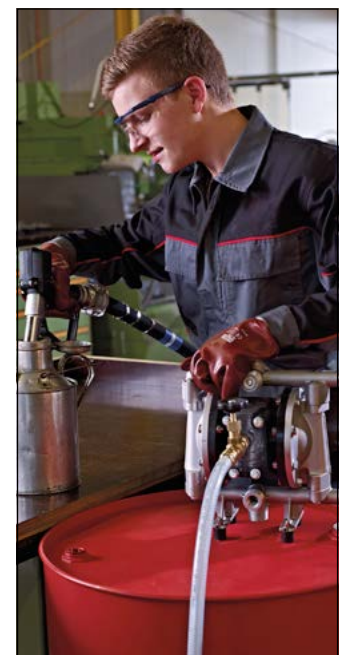
- Ideal for diesel, heating oil, motor oil
- Safe and reliable transfer of practically all media – even high viscosity media with solid particles, abrasive substances, sensitive media and media containing solid particles
- Pump / membrane material: alu / TPV (NBR-pp)
- No electrical connection, Lightweight
- Simple operation, maintenance free
- Stops on closing the pressure line, so that there is no heating of the pump and transfer medium
- Dry self-priming, no compression gland, safe to run dry
- Kit for drum emptying (immersion pipe, 3m hose and nozzle), available as an option



Alu / Geolast pneumatic diaphragm pump. 1/2"

Order no. 123-279-J1

Suction / pressure connector	1/2" BSP internal thread	1" BSP internal thread
Suitable for	Diesel, heating oil, engine oil, hydraulic oil, drilling emulsion, antifreeze, glycerine, glycol	
Delivery volume max [l/min]	65	156
Order number	123-279-J1	123-280-J1
Order number Accessories set F. Drum emptying	123-289-J1	123-291-J1



Container pump Model CP-A

- Quick dispensing / refilling of containers in large quantities
- For the safe transfer of chemicals
- Highest chemical resistance
- Mobile use
- Short emptying times due to high flow rate
- Low speed, low wear
- Adapter for container opening, as standard
- Drive motor 230 V, 2800 rpm, 0.75 kW, 5 m cable with plug
- Can be combined with flowmeter



Order no. 117-705-J1

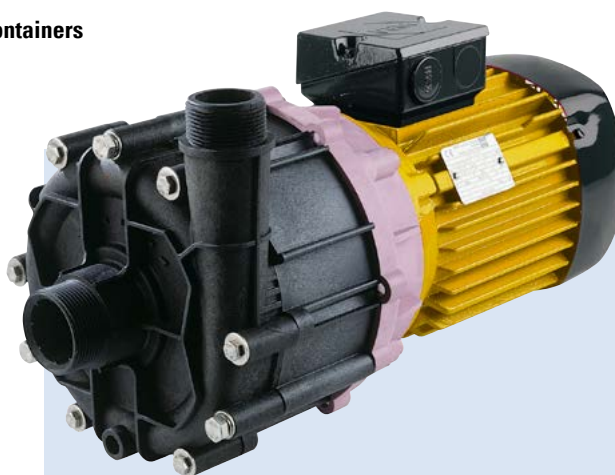


Use	Material	Immersion depth [mm]	Density max [kg/l]	Viscosity max [mPas]	Delivery volume max [l/min]	Pump height max [mWS]	Order number
Formaldehyde, phosphoric acid, hydrogen peroxide, citric acid up to 50% etc.	PP	1100	1.8	100	200	22	117-705-J1

Accessories	Order number
Connection set (consists of 5 m hose with connectors on each end)	172-109-J1
Flowmeter for container pumps	117-582-J1

Centrifugal pump Model CP-B

- Can be run dry, for emptying containers
- Ideal for use when the container needs to be emptied from below (near to the floor)
- Manufactured from high quality materials to ensure high chemical resistance
- Supplied with a hose that is easy to connect to containers (suction side)
- 230V, 0.75 kW motor with a 5 m cable and plug



Order no. 137-419-J1



Use	Hose connection - inlet side	Hose connection - pressure side	Material	Viscosity max [mPas]	Density max [kg/l]	Delivery volume max [l/min]	Pump height max [mWS]	Order number
Acids, alkalis, chemicals for developing photographs, galvanising substances and other low viscosity media	1 1/2" external thread	1 1/4" external thread	PP	30	1.35	280	11	137-419-J1

Flowmeter description

See page
304

Accessories	Order number
Trolley (without flow meter)	137-399-J1
Trolley (with flow meter without facility for pre-selecting quantities, battery operated)	137-400-J1
Trolley (with flow meter and facility for pre-selecting quantities, network connection 400 V, 50 Hz)	137-404-J1
Centrifugal pump connection set (pressure side, consists of 5 m hose with connectors on each end)	138-202-J1
Flowmeter for container pumps	117-582-J1

Drum pumps for food products

When producing food, raw materials and finished food products come into contact with various products which must have suitable characteristics. This also applies to equipment and plant components for the commercial production of food. These are defined as "articles intended to come into contact with food" and are specified in food-related legislation.

- Physiologically harmless design
- Materials: stainless steel, ETFE, FPM
- High surface quality
- Food-safe connections
- Simple and easy to clean

- Also for alcohol-containing foodstuffs as well as flammable cleaning materials
- Includes equipotential bonding cable



Safety-tested

BS EN CE



EC 1935/2004



Design	Use	Immersion depth	Viscosity max [mPas]	Density max [kg/l]	Delivery volume max [l/min]	Pump height max [mWS]	Output [W]	Order number
① Pump	For aqueous and greasy foodstuffs, cosmetics and pharmaceuticals	1000	350	1.6	95	14	460	243-253-J1
② Pump residue emptying		1000	500	1.6	77	14	460	243-254-J1
③ Pump Ex version	For foodstuffs which contain alcohol and are highly flammable	1000	350	1.6	95	14	460	243-255-J1
④ Pump, residue emptying, Ex version		1000	500	1.6	77	14	460	243-256-J1

Accessories	Use	Features	Operating pressure max [bar]	Order number
Hose setTri Clamp connection DN 32	For drum pumps, food use	FPM seal, 2 m PVC food grade hose DN 19 (3/4")	1.6	243-258-J1
	For drum pumps, food use Ex	EPDM seal, 2 m food grade chemical hose DN 19 (3/4")	1.6	243-259-J1
Stainless steel nozzleTri Clamp connection DN 32	For drum pumps, food use	FPM seal, protective hoop and rotating joint	3.0	243-260-J1
	For drum pumps, food use Ex	EPDM seal, protective hoop and rotating joint	3.0	243-261-J1

Flowmeter for food pumps

- For use in the food, cosmetic and pharmaceutical industries.
- Easy to rinse out
- Materials: Stainless steel, ETFE, PTFE



Use	Viscosity max [mPas]	Min. Measuring range [l/min]	Max. Measuring range [l/min]	Order number
For drum pumps for food (non Ex) and eccentric pumps	5000	10	100	243-262-J1

Eccentric screw pump Model HD-E

Pump Model HD-E brings together the advantages of a handy drum pump with the easy handling of a sturdy eccentric screw pump.

- Ideal for medium viscosity raw materials and foodstuffs from 500 to 4000 mPas.
- Material: stainless steel 1.4571, PTFE, FPM
- Pressure connection: Tri-Clamp DN 32
- 230 V, 0.55 kW single phase motor with 5 m connection cable and safety plug
- Pumping pressure: up to 4 bar



Safety-tested

IP 54 CE



EC 1935/2004

Use	Immersion depth	Delivery volume max [l/min]	Order number
Medium viscosity foodstuffs	1000	20	243-257-J1

Model TP 6

- For diesel, heating oil and anti-freeze
- Self-priming vane pump with integrated siphon guard and filter on the suction side
- High pumping capacity
- Automatic nozzle incl. hose swivel joint
- Drum thread G 2"
- Version with console: for practical wall mounting



NEW



Powerful drum pump Model TP 6, incl. automatic nozzle (flow meter optional)

Type HP 40

- Low wear centrifugal pump
- Thread M 64 x 4 and G 2"
- Priming phase with integrated siphon protection (leakage protection)

i Either with standard or automatic nozzle (see table)



Electric pump model HP with standard nozzle valve (flowmeter optional)

Model W 85

- Self-priming, low wear hybrid pump incl. lever protection
- Especially high pumping capacity
- Includes automatic nozzle
- Nozzle holder incl. drip tray
- Drum thread R2"



Hybrid drum pump Model W85 (flowmeter optional), Order no. 243-998-J1

Model V

- For engine and gearbox oils up to SAE 80
- Connection: G 2"
- Self-priming



Drum pump model V, also available with delivery gauge

Order at the same time

Flow meter

For Model HP 40, TP 6 and W85

- For various fluids such as heating oil/diesel, water, antifreeze
- Method of measurement for a turbine meter
- Suitable for all flow directions
- Illuminated digital display
- Measurement range 5 to 120 litres / min
- Main storage tank and 8 partial storage tanks



Order no. 243-999-J1

i When ordering accessories, please specify the pump type (HP40, TP6, W85)!

- Light, handy, secure and powerful pump for dispensing diesel, heating oil, engine oil

Design	V		HP 40		W85	TP 6	
Immersion depth [mm]	840	840	1600	1600	1600	1600	1600
Suitable for	Motor and gear oils up to SAE 80		Diesel, heating oil and coolant anti-freeze (concentrate)				
Delivery volume max [l/min]	25	20	37	31	68	55	55
Output [W]	740	740	250	250	950	370	370
Features	4 M pressure hose with oil nozzle	4 M pressure hose with oil nozzle, incl. flowmeter	4-m pressure hose, standard nozzle	4 m pressure hose, automatic nozzle			4 m pressure hose, automatic nozzle, wall console
Order number	117-701-J1	117-703-J1	117-541-J1	117-565-J1	243-998-J1	267-640-J1	267-642-J1

Drum and tank compressed air pumps

- For dispensing oils, cooling emulsions etc
- For reliable use in motor vehicle workshops, the agricultural industry, communal car pools and industrial operations

For all situations where reliability plays an important role.

The self-priming compressed air pumps can be classed as either 1:1 (type DP1) for dispensing thin mineral oils quickly over short distances, 1:3 or 1:5 (types DP3 and DP5), which have double the effect and are suitable for heavy oils such as gear oil, rapeseed oil or cooling emulsions.

- With a 4 m hose NW 16, G 3/4", nozzle with outlet pipe and anti-drip device
- Self-priming
- Recommended inlet pressure: 6 to 8 bar

Pump Model DP1 F for 205 litre drums, meter available as accessory

Pump on a tank installation



Order at the same time



- Pressure reducer with pressure gauge, 0 - 12 bar, recommended for all pneumatic pumps, with connection plug and socket

Order no. 207-747-J1

Pressure reducer, G1/4" (i/i)



- Flowmeter, can be attached to the filler nozzle

Order no. 128-312-J1

Flow meter

Use	For 205 litre drums			For 100 litre tank		
Model	DP1 F	DP3 F	DP5 F	DP1 T	DP3 T	DP5 T
Features	Suction tube NW25, connection 1" thread, with base valve (1 m long)			Suction hose NW25, connection 1" thread, with base valve (1.6 m long)		
Delivery volume max [l/min]	52	35	25	52	35	25
Order number	128-306-J1	128-307-J1	128-308-J1	128-309-J1	128-310-J1	128-311-J1

Manual Lever Pumps

- Pump types F 52 and F 202 are suitable for dispensing diesel, heating oil, hydraulic oil, engine oil, gear oil

Depending on the purpose for which they are to be used, the pumps are available with curved outlet pipe (with anti-drip device) or with a hose (2 m), ball valve and outlet pipe.

Order no. 117-667-J1

Lever pump with hose, ball valve and outlet pipe

Order no. 123-556-J1

Lever pump with curved spout



Model	F 52/202	F 52	F 202
Design	For 50 to 205 litre drums	For 50 litre drums	For 205 litre drums
Features	With curved outlet pipe	With hose, ball valve and outlet pipe	
Delivery per stroke [l]	0.3	0.2	0.2
Order number	123-556-J1	117-667-J1	117-670-J1

Rotary pumps in plastic

- For oils, corrosive and volatile chemicals
- With 3 part immersion pipe set in stainless steel, diameter 32 mm and 2" drum adapter
- Performance: approximately 0,35 ltr./Stroke
- PTFE seal



Order no. 117-584-J1

NEW

Mobile pump systems for chemicals and mineral oils

The practical drum pump trolley - for transporting drum and pump

- Practical and easy to move drum trolley in chemical-resistant PE with integrated pump (manual, electric or battery operated)
- Suitable for plastic and steel drums up to 220 / 200 litres
- Integral drip tray, hose guide, nozzle holder
- Easy-to-use pump pipe and cable compartment
- 2 swivel castors with brakes, 2 castors
- For your safety: belt for transport safety
- Supplied with practical accessory set - contents: 25x reusable cleaning cloths, 5x Densorb Universal drum mats for 200 l drum, 1x safety glasses and 12 pairs of nitrile gloves



Practical castors - for easy movement



Accessories ready to hand

Design	Mobile pump systems for mineral oils		Mobile pump systems, for chemicals		
Drive pump	Manual	Electric	Manual	Electric	Battery operated
Suitable for e.g.	Diesel, heating oil and coolant anti-freeze (concentrate)		Sodium chloride, sodium hydroxide, acetic, phosphoric, nitric, hydrochloric, sulphuric acids, hydrogen peroxide	Hydrochloric acid, formic acid (50%), developer, chloric acid	Battery acid, developer, glycol, phosphoric acid, hydrochloric acid, hydrogen peroxide
Body dimensions W x D x H [mm]	789 x 859 x 1545				
Order number	271-343-J1	271-344-J1	271-142-J1	271-345-J1	271-346-J1

Mobile pump unit V 200 for oil dispensing

- Mobile pump unit for mineral oils, engine and gear oils with mobile drum carrier consisting of a steel tube with nozzle holder, hose holder and drip collector

The mobile pump unit in combination with a drum transporter is the ideal solution for drawing and refilling oil in all situations which require fast and frequent processing of the drum in the workshop. The unit has a self-priming gear pump which guarantees an even feed rate with low noise operation (<70 dB). With the pressure switch version the motor automatically switches on and off when opening and closing the nozzle; the optional flowmeter allows the dispensing of exact quantities.



- Self priming pump with sealed 230 V motor with separate ventilation
- Power: 0,75 kW
- Can be used for fluid viscosities from 10 to 2000 mPas
- 6 – 12 bar operating pressure
- Drum carrier load capacity: 250 kg

As standard with:

- 1" intake hose with base valve and filter
- 1/2" dispensing hose 4 M long
- nozzle with flexible End piece and non-drip automatic valve
- 2 M cable
- 2 fixed and 2 swivel castors for easy manoeuvrability



Nozzle with fine measuring tip and integrated flow meter

Model	V 200	V 200 - P	V 200 - K	V 200 - KP
Design	--	With pressure switch	With flow meter	With flowmeter and pressure switch
Delivery volume max [l/min]	9			
Protection category IP	IP 55			
External dimensions W x D x H [mm]	690 x 1090 x 300			
Weight [kg]	34	36	35	37
Order number	172-708-J1	172-709-J1	172-710-J1	172-711-J1

The ideal solution, for example when pipes are too expensive!

Oil stations, complete and ready for use

- Safe storage and dispensing of various oils
- Powerful pumps
- Safe and environmentally-friendly

On a compact station up to 4 different oils can be stored in 60 or 205 litre drums. The oils can be directly supplied to motors, gears, small containers etc.

- Direct, easy dispensing to motors, gears, small containers etc
- Spill pallet with grid
- Nozzle with joint and electronic flowmeter
- Hose reel with 10 M pressure hose
- Suction unit with hose, filter and 2" bung hole closure
- Easy to move with a pallet truck (ground clearance 100 mm)



Model DPO

- With pneumatic pumps, 6-8 bar, air connection 1/4" thread



Model EPO

- With electric gear pump, high pressure (suitable for 230 V power connection)



Detailed view: oil station EPO-4, closed hose reel, Order no. 201-608-J1



The stations are available with open or optionally with covered hose reels (e.g. to protect mechanical components and hose if the atmosphere is heavily polluted).

Storage capacity 205 litre drums	2	2	4	4
Design	Hose reel open	Hose reel closed	Hose reel open	Hose reel closed
Use*	For hydraulic, engine, gear, vegetable and other oils up to a viscosity of 1500 cSt, anti-freeze concentrates			
Sump capacity [l]	240		260	
External dimensions W x D x H [mm]	870 x 1350 x 2100		1270 x 1350 x 2100	
Model DPO - with compressed air pumps				
Order number	201-601-J1	201-605-J1	201-602-J1	201-606-J1
Model EPO - with electric pumps				
Order number	201-603-J1	201-607-J1	201-604-J1	201-608-J1

*Pumping capacity per pump approx. 10 L/min (max. Value at 20° Celsius)



- Available in compressed air or electric versions
- For stirring up, homogenising and dissolving, for example, in purification plants, electro-technology and the chemical, beverage and cosmetic industries
- In high quality stainless steel 1.4571/1.4581
- Also available in an explosion proof in compliance with ATEX for Zone 1 (see table)



Open drum mixer GP 1800

For open containers, up to 50 litre content

- Operated by compressed air
- Max. 6 Bar pressure
- Material 1.4571/PP
- Compressed air connection: R 1/4"

Open drum mixer GP 1800,
Order no. 128-393-J1



Drum bung mixer FR 4

For closed drums with 2" bung-hole

- For liquids with medium viscosity up to 500 mPas
- Power supply: 400 V
- Protection category IP 54



Order no. 117-713-J1

Drum bung mixer FR 4



Drum bung mixer FRP 3000

For closed drums with 2" bung-hole

- Engine power: 0,5 to 1,0 kW at 750 to 3000 upm
- Max. 7 Bar pressure power
- Compressed air connection R 1/2"
- Incl. Filter and device to decrease pressure with manometer reading for the secondary pressure



Order no. 128-396-J1

Drum bung mixer FRP 3000



Drum bung mixer SPR 4

For open drums

- For liquids with medium viscosity up to 500 mPas
- Power supply: 400 V
- Protection category IP 54

Drum bung mixer SPR 4,
Order no. 117-709-J1



Open drum mixer GLP 3000

For open drums

- For liquids with medium viscosity up to 500 mPas
- Like FRP 3000 but with clamp for mounting on container



Open drum mixer GLP 3000,
Order no. 128-397-J1

Drive	Compressed air			Electric	
Model	GP 1800	FRP 3000	GLP 3000	FR 4	SPR 4
Area of application - mixing equipment	Container open	Drum bung hole	Container open	Drum bung hole	Container open
Output [W]	270	1000	1000	750	750
Revolutions [U/min]	1800	3000	3000	1500	1500
Mixing shaft length [mm]	600	750	1000	750	750
Viscosity max [mPas]	1000	1000	500	500	500
Order number Non explosion-proof version*	128-393-J1	—	—	117-708-J1	117-709-J1
Order number Ex-version in accordance with ATEX*	—	128-396-J1	128-397-J1	117-713-J1	117-714-J1

*Compressed air: Ex II 2 G/D c T3 -- electric: Ex II 2 G c T3



Available in compressed air or electric versions

- For stirring up, homogenising and dissolving, for example, in purification plants, electro-technology and the chemical, beverage and cosmetic industries
- Transportable for single use container with opening from 150 mm
- For unpressurised 1000 litre single use container (IBC)
- Mixer shaft in stainless steel 1.4571 / 1.4581
- Clamp cross member with quick clamp and carry handles
- Also available in an explosion proof in compliance with ATEX for Zone 1 (see table)



IBC Mixer CR 6

For economical treatment or storage of liquids

- Power supply: 400 V
- Protection category IP 55



Order no. 117-715-J1

Order no. 117-710-J1

Single gear mixer CR 200/ CR 300

two types available with different motor power

- For liquids with very high viscosity
- Power supply: 400 V
- Protection: IP 54



Pneumatic IBC mixer CP 3000/ CP 400

For homogenising, dispersing, emulsifying and suspending

- Compresses air engine power: 400 to 3000 rpmmax. 7 Bar pressure power
- Motor power: 0.5 To 1.0 kW
- Compressed air connection R 1/2"
- Incl. Filter and device to decrease pressure with manometer reading for the secondary pressure
- Heat resistant



Drive	Compressed air		Electric		
Model	CP 3000	CP 400	CR 6	CR 200	CR 300
Area of application - mixing equipment	Containers				
Output [W]	1000	1000	750	750	1500
Revolutions [U/min]	3000	400	1000	200	300
Mixing shaft length [mm]	1000	1000	1000	1000	1000
Viscosity max [mPas]	1000	2000	500	2000	10000
Order number Non explosion-proof version*	—	—	117-710-J1	117-712-J1	128-392-J1
Order number Ex-version in accordance with ATEX*	128-394-J1	128-395-J1	117-715-J1	117-716-J1	129-343-J1

*Compressed air: Ex II 2 G/D c T3 -- electric: Ex II 2 G c T3

IBC heating jacket type HM 4 for IBCs

- Suitable for IBCs with a circumference of 4060 to 4310 mm
- Output: 2000 W, 1 heating circuit with thermostat
- Accessories: insulating cover for IBCs to protect from quick cooling



PREMIUM DESIGN

Order no. 117-724-J1

- ① The control range up to 90 °C allows the heat output to be adjusted specifically to your needs
- ② Heating jacket made out of water-repellent and abrasion-resistant polyurethane-coated polyamide support material, PTFE-coated with a high-quality insulation made out of quilted fibreglass
- ③ Low heat loss and reduced energy consumption from heating element made out of spirally wrapped resistance wire with silicone insulation



SET PRICE

Order no. 207-857-J1

Heating jacket HM 4 with insulating cover as a complete set

Model HM, safe warming for gas cylinders, drums and IBCs

- For heating or maintaining a constant temperature
- For containers from 25 to 1000 litres and standard gas cylinders Ø approx. 230 mm

Heating jacket Model HM 3.A for 205 litre drums, complete coverage

- Suitable for 205 litre steel and plastic drums
- Output: 1100 W, 1 heating circuit with thermostat

BESTSELLER

Order no. 156-179-J1



Design Model	Non-ex	
	HM 3.A	HM 4
Suitable for	205 L steel / plastic drum	1000 L IBC
Container volume min [mm]	1800	4060
Container volume max [mm]	1950	4310
Height [mm]	850	950
Output [W]	1100	2000
Order number	156-179-J1	117-724-J1

Order at the same time



Insulated cover to protect the IBC from cooling down quickly., Order no. 129-157-J1

- In heavy duty, water-repellent, coated polyamide
- Silicon insulated heating coil
- Includes thermostat: control range: 0 to 90° c
- Mains connection 230 V
- Protection category IP 44
- With 5 M power cable



Heating jacket DENIOS pro-line with digital temperature control and display, for IBCs and 205 litre drums, find it in our Online Shop:

» denios.shop/heatingjackets



Digital heating jacket for 205 litre drums (see Shop for details), Order no. 267-308-J1

Order at the same time

Insulating hood in nylon



For 205/220 litre steel and plastic drums, prevents the drum contents from cooling too quickly, Order no. 236-440-J1

Digital base heating plate

See page
321

Drum heating jacket type HM 1 for 25 / 30 litre drums and containers, Order no. 117-721-J1



Heating jacket model HM 2 for 50 / 60 litre drums, Order no. 117-722-J1



Drum heating jacket HM 3, for 205 litre drums, Order no. 117-723-J1



Heating jacket model HM-G, for gas cylinders with Ø approx. 230 mm and length (including valve) approx. 1075 To 1630 mm, Order no. 236-439-J1

Design Model	Non-ex			
	HM 1	HM 2	HM 3	Hm-g
Suitable for	25/30 litre steel / plastic containers	50/60 litre steel / plastic drum	205 L steel / plastic drum	Gas cylinder Ø 230 mm
Container volume min [mm]	870	1100	1800	680
Container volume max [mm]	1000	1250	1900	830
Height [mm]	400	460	450	1050
Output [W]	200	250	450	450
Order number	117-721-J1	117-722-J1	117-723-J1	236-439-J1

Flexible heating jacket Model HM-Ex for gas cylinders, drums and IBCs

- Safe heating especially in explosion-protected areas
- The heating jacket supports and accelerates operational processes by heating liquids and keeping them warm
- In a special elastomer and silicon-coated glass fibre material, with patented heating technology
- Supplied with 5 m cable (without plug)

Heating jacket for IBCs and 205 litre drums in ex-zones.

- Certified in accordance with ATEX - II 2 G Ex e II T3 (zones 1 and 2)
- Automatic temperature control - the heating jackets reach temperatures of up to 80°C (drum wall), or 55°C (IBC)
- Protection class IP 44
- Power supply: 240 V



Order no. 176-398-J1

Heating jacket model HM 4 EX, for standard IBCs
(also for heating 4x 205 litre steel drums)



Order no. 178-874-J1

Heating jacket model HM 3A EX, for 205 litre drums
(also suitable for HDPE containers)

Insulation cover for IBC/KTC containers

- Insulated cover to protect the IBC from cooling down quickly,
- Applicable also in ex-protected areas
- Ideal in combination with HM4 or HM4Ex heating jackets



Order no. 129-157-J1

Design	EX versions	
	HM 3AEX	HM 4EX
Suitable for	205 L steel / plastic drum	1000 L IBC
Container volume min [mm]	1800	4060
Container volume max [mm]	1950	4310
Height [mm]	850	950
Output [W]	720	1700
Order number	178-874-J1	176-398-J1

i Ex proof heating jackets are available in other sizes to suit your requirements on request, just give us a call.
Heating jacket with digital thermostat, Atex compliant, see online shop or on request!

Heating jacket model HM 1Ex / HM 2Ex, for containers and drums

- Suitable for steel and plastic containers from 25 to 60 litres
- ATEX approved:
ex II 2 G D EX E IIC T4 GB /
(IECEX) TB IIIC T135°C dB (zones 1 and 2)
- Certified automatic temperature control: max. Wall temperature 80 °C (drum wall)
- IP 54
- Power supply: 240 V



Heating jacket model HM 1Ex, for 25/30 litre steel and plastic containers



Heating jacket model HM 2Ex, for 50/60 litre steel / plastic drums

Heating jacket model HM-GEx, for gas cylinders

Many laboratory and industrial processes need a constant supply of gas. If the level of the liquid in the gas cylinder drops quickly, ice can form on the surface of the cylinder - with a negative effect on the gas flow required.

The heating jacket keeps the gas cylinder at the required constant temperature and so ensures a constant gas flow.

- Suitable for standard size gas cylinders:
Ø approx. 230 mm, overall length approx. 1075 To 1630 mm (length including valve)
- ATEX approved:
ex II 2 G D EX E IIC T4 GB /
(IECEX) TB IIIC T135°C dB (zones 1 and 2)
- Certified automatic temperature control:
max. Wall temperature 70°C (gas cylinder wall)
- Power supply: 240 V
- Optional: EX heating jacket including in-built thermostat for manual control: 0 to max. 50°C (wall temperature)



Heating jacket model HM-GEx for zones 1 and 2, incl. Thermostat (approved for EX zone)

Design	EX versions			
	HM 1Ex	HM 2Ex	Hm-gex	Hm-gcex
Model	25/30 litre steel / plastic containers	50/60 litre steel / plastic drum	Gas cylinder Ø 230 mm	Gas cylinder Ø 230 mm
Container volume min [mm]	870	1100	680	680
Container volume max [mm]	1020	1250	830	830
Height [mm]	400	460	1050	1050
Output [W]	90	130	100	100
Design	Automatic temperature control			Analogue temperature controller
Order number	236-434-J1	236-436-J1	236-437-J1	236-438-J1

Induction drum heater for use in ex-zones

- For steel drums up to 205 litres, for quickly heating viscous fluids
- Ideal to liquidise solids
- High performance and low energy usage - save time in production
- Certified in accordance with ATEX for ex-zones 1 and 2: Ex II 2 GD / Ex e II T3
- Protection category IP 66
- Protected against overheating



Accessories are available
in the shop!

» denios.shop/drum-heater-acc

Induction drum heater

- Instant heat in the drum wall, no time is lost
- Temperature increase dependant on the liquid, approx. 10 - 15°C per hour
- Certified, automatic temperature limitation: max. 123°C (at the drum wall, at 20°C ambient temperature)



Order no. 117-719-J1



The combination of an induction heater and an additional IBP base heater panel shortens the heating time, e.g. For light oil, by > 20%



Induction heater model IHG in combination with the base heater plate model IBP

Induction drum base heater type IPB

- Can be used individually or for optimising the heating process in combination with an induction drum heater and GFK cover
- Certified, automatic temperature limitation
- In combination with the induction heater and GFK cover a complete "mini-oven" is created for heating drums in EX zones



Drum base heater type IPB, for steel drums up to 205 litres



Order no. 178-875-J1

Version	Induction drum heater Jacket heater	Induction drum base heater type IPB Floor heating
Output [W]	2750	500
Nominal voltage [V]	240	240
Internal diameter [mm]	613	560
Weight [kg]	50	55
External dimensions W x D x H [mm]	790 x 790 x 740	750 x 890 x 60
Order number	117-719-J1	178-875-J1

Accessories

Control box to manually adjust the temperature (0-100%), the box has to be installed in a non-ex area.

Order number

168-039-J1

Order at the same time

GFK hood

Glass fibre reinforced plastic hood – additional protection against heat loss, approved for EX



Order no. 178-877-J1

For 205 litre drums

Keep oil, glue, or paint for example at a set temperature required for further processing.

Digital base heating plate DENIOS pro-line

- Drum base heating pad for steel and plastic drums up to 205 / 220 litres, for warming liquids and keeping them warm
- Includes digital temperature controller:
 - simple temperature setting from 0 - 145° C
 - permanent display and control of the current heating pad temperature
- Even heat distribution over the whole of the base plate
- With temperature resistant and durable coating
- Heating output 850 W
- With 5 m connection cable and protected plug

DENIOS
pro-line

Digital heating jacket for 205 litre drums
(see Shop for details),
Order no. 267-308-J1



Digital base heating plate



Ideal in combination with DENIOS pro-line digital drum heating jacket for example - significantly reduces heating time even for viscous media (approx. 40% time saving e.g. for light oils)

NEW

Order no. 267-383-J1

Flexible drum heating belt HG-F

Example: common usage with several belts

- The heating element is contained in a flexible vulcanised silicone mat
- Thermostat control up to 120° c
- Simple spring catch fastening
- Protection: IP 40
- High mechanical resistance
- Height: 125 mm
- For drum Ø: 550 - 600 mm
- Mains connection 230 V
- 2 M power cable
- Power: 1000 W



Flexible drum heating belt,
dimensions 1665 x 125 mm,

Order no. 117-717-J1

Order at the same time

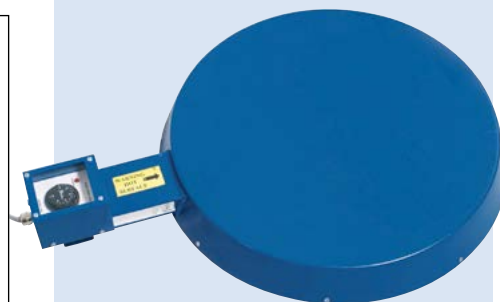
Insulation cover with folding lid and velcro quick lock

Order no. 210-392-J1



Ideal in combination with base heating plate

Drum heating HBD



Order no. 171-803-J1

- Floor heating base for all steel drums of up to 205-litre volume, ideal to heat up and warm up substances
- Variable temperature control 0 - 150°C operated via a control on the drum heater
- Electrical connection: 230 V / 50 Hz
- Ready-to-use including A 2 M long power cord and Schuko plug

Model	Hbd
Version	Floor heating
Min regulation range [°C]	0
Max regulation range [°C]	150
Output [W]	900
Ø x H [mm]	600 x 105
Base pad height [mm]	70
Order number	171-803-J1



RT drum lifter for easy transport of the drum and for fitting with drum base heaters and for placing on pallets, Order no. 227-162-J1



Ex II 1 GD T6

Earthing cable

- Prevent explosion hazards caused by sparks or electrostatic discharge
- Cable length 2 M
- The cable is available in a galvanised or a double insulated design
- The cables are available with either a crocodile clip and a C clamp that can be screwed in place, or an earthing clamp with a cable eye

Spark-free tools for Ex zones -
see shop!
denios.shop/non-sparking-tools



Ex-protection class in accordance with ATEX	Ex II 1 GD T6	
Version	Earthing strap, galvanised	Earthing strap, insulated
Cable length [m]	2	2
2 grounding pliers		
Order number	165-880-J1	165-882-J1
1 earthing clip / 1 cable eye		
Order number	165-892-J1	165-894-J1

Version	Without ATEX approval	
Version	Earthing strap, galvanised	Earthing strap, insulated
Cable length [m]	2	2
2 grounding pliers		
Order number	117-204-J1	137-372-J1
1 earthing clip / 1 cable eye		
Order number	117-206-J1	137-385-J1
1 C-clamp / 1 cable eye		
Order number	137-378-J1	137-380-J1
1 crocodile clip / 1 C-clamp		
Order number	137-381-J1	137-382-J1
1 crocodile clip / 1 cable eye		
Order number	137-374-J1	137-376-J1
2 crocodile clips		
Order number	137-361-J1	137-363-J1
2 C-clamps		
Order number	137-366-J1	137-368-J1



- 1) Crocodile clip
2) C clamp crocodile clips that can be screwed in place

Order no. 117-206-J1



Earthing cable 2 M long with an earthing clamp and cable eye (without ATEX)

Earth cable reel with earthing clamp

- Automatic cable reel with an earthing clamp
- 15 M cable, wire cross section 6 mm²
- Shock resistant plastic housing with pivoted assembly bracket



Order no. 157-790-J1

Anti static set

- For discharging static electricity
- Consists of 3 colour-coded copper connecting cables with clamping tongs in a practical plastic case
- With 1.40-M copper cable and two insulated 3-m copper cables



Transport case

Order no. 116-058-J1

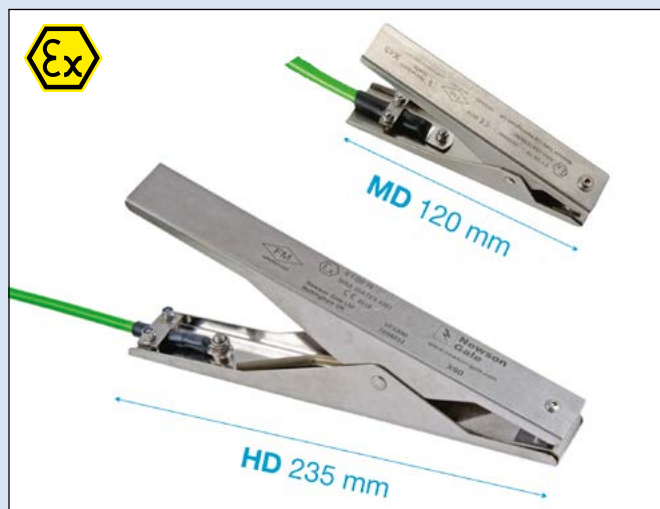


Ex II 1 GD T6



FM tested products

Earthing clamps with ATEX approval:



Tested stainless steel clamps in 2 optional sizes

- **Model MD** (Medium-Duty, aperture angle approx. 15 mm) - for drums, containers up to 200 litres
- **Model HD** (Heavy Duty, large aperture angle approx. 40 mm) - for larger plant components, drums and containers from 200 litres, IBCs, mixing containers, mobile tanks, tank vehicles etc.

The sharp teeth on the clamps pierce through drum coatings and contamination. The strong springs ensure the necessary pressure.

Stainless steel clamps with high durability and robustness even under toughest operational conditions - to ensure a safe and durable connection.

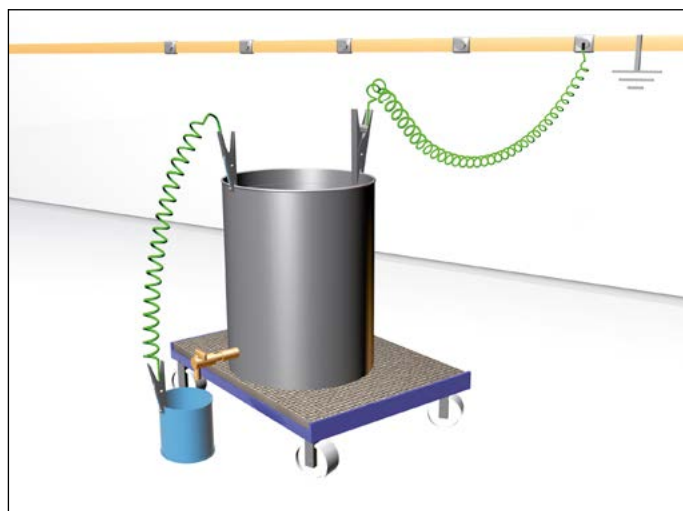
The ATEX stainless steel clamps are provided with the earthing equipment

From page
323

Earthing cable

Reliably prevents danger of explosion through sparking or electrostatic discharge

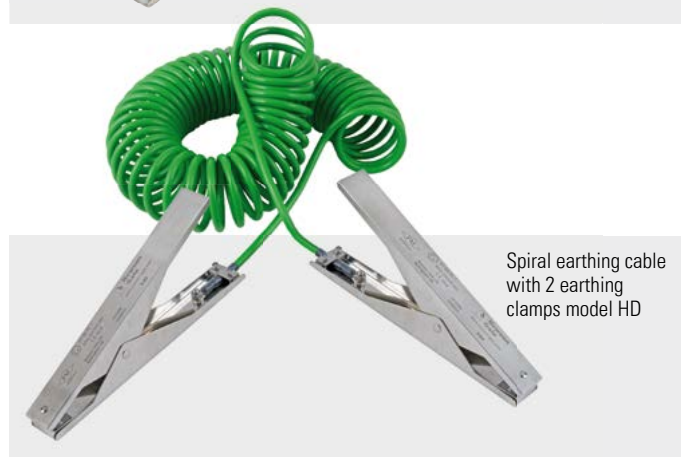
- Also available with ATEX approval: Ex II 1 GD T6
- Low electrical resistance with high mechanical strength
- Chemically resistant and wear-resistant cable sheath
- ATEX version with stainless steel clamps
- Spiral cable in lengths of 3 or 5 M



Example of use with two spiral earthing cables



Spiral earthing cable, ATEX compliant, with 1 earthing clamp model HD and one eyelet



Spiral earthing cable with 2 earthing clamps model HD

Order at the same time

Wall holder in stainless steel for up to two earthing cables (two clamps and two eyelets)

- Store cables conveniently and in compliance with the law
- Possible to connect customer's earth bar
- Can therefore also be used as convenient earthing point near dispensing area, for example

Order no. 201-358-J1



Cable length [m]	3	5	3	5
Design in accordance with ATEX	With 1 earthing clamp and 1 eyelet		With two earthing clamps	
Order number Stainless steel clamp model MD	201-352-J1	201-353-J1	165-871-J1	165-872-J1
Order number Stainless steel clamp model HD	201-354-J1	201-355-J1	201-356-J1	201-357-J1

Cable length [m]	3	5	3	5
Design without ATEX	With 1 earthing clamp and 1 eyelet		With two earthing clamps	
Order number	117-406-J1	117-405-J1	117-404-J1	117-407-J1



Extra safety

Self-testing earthing systems with visual indication provide operators processing flammable or explosive materials with visual verification that static electricity is discharged effectively:

- The green LED flashes - the earthing clamp has a secure connection to the container and earth. The earthing cable continuously monitors the electrical circuit between containers or container and verified earthing point (e.g. a wall-mounted earthing bar)
- The green LED stops flashing - a resistance >10 Ohm has been detected in the circuit. The user is warned of a potential electrostatic charge risk!

ATEX approved and conforms to international best practice guidelines!

The safer contact between clip and metal container (EG Drum) is indicated



Grounding clamps with monitoring and visual indication

- **With continuous circuit monitoring: LED on the earthing clamp indicates the safe connection to the equipment**

- Approved in accordance with ATEX and IECEx
- Stainless steel clips
- Quick-connect coupling for simple clamp changes (EG when replacing the battery in a safe area)
- Protection class IP 65
- Intrinsically safe electric circuit, incl. 9V battery



Model EZ with 2 clamps Portable and safe – connects 2 containers or 1 container, tanker etc To earthing point and indicates via an LED when both clamps have safe contact



Example of use: connection of 2 drums by model EZ and required connection to operational earthing point by model C 52

- **Model C 52:** 1 clamp with LED, 2 Ring eyes
- **1 clip with LED,** 1 clip, either Type MD (L 120 mm) or Type HD (L 235 mm)



Model C 52: 2-core version – checking and indication that a safe contact exists at the container and additionally at the earthing point

Model	C 52	Ez	Ez
Design	1clamp with LED / 2 Ring eyes	1 clamp with LED / 1 MD	1 clamp with LED / 1 HD
Cable length [m]	5	3	3
Order number	123-554-J1	201-368-J1	195-370-J1

Assembly kit

Our assembly kit contains spiral cable in 3 lengths and ATEX certified stainless steel clamps model MD, HD and BR (with LED), for configuring to your individual needs

- All cables and clamps are fitted with quick-connect couplings, the practical quick-connect coupling for simple changes
- Suitable for all earthing systems with monitoring



Detailed view: quick-connect - connects clamp and cable quickly and easily

Spiral cable, 2-core, length [m]	Order number
5	207-322-J1
10	207-323-J1
15	207-324-J1

Earthing clips, 2-pin	Order number
Stainless steel clamp MD, L 120 mm	206-260-J1
Stainless steel clamp HD, L 235 mm	206-261-J1
Stainless steel clamp BR, with LED display	207-321-J1



Spiral cable, 2 core

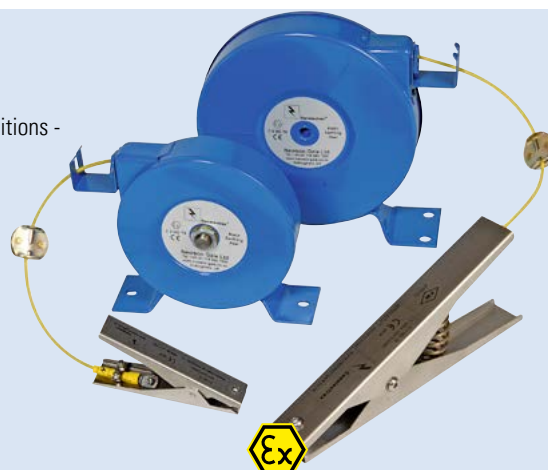


Model BR earthing clamp with LED indicator light

Static discharge cable

■ Cable available in 3 lengths

- Stainless steel clamp with long life and good grip even under the harshest operating conditions - for a secure durable connection
- With retractable cable reel
- Locking mechanism prevents cable tangling
- Antistatic Hytrel steel cable
- Approval in accordance with ATEX - discharge cable: exii 2GD T6 - clamp: exii 1GD t6
- Stainless steel clamps, either: model MD (L 120 mm) or model HD (L 235 mm)



Cable length [m]	6.2	9.2	15.2
Order number Stainless steel clamp model MD	207-309-J1	201-343-J1	201-346-J1
Order number Stainless steel clamp model HD	207-310-J1	201-344-J1	201-347-J1

Safe earthing with magnetic force

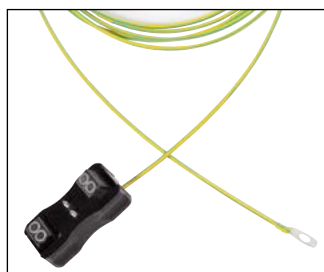


Earthing clamps high on a metal drum can be knocked by dispensing equipment for example. As an alternative, the earthing magnet lies flat on the drum lid or can be fitted at the side of the drum. It attaches firmly to the metal of the drum.

- Approved in accordance with Atex for zones 1, 2 and 21, 22
- Several magnets ensure a good connection to the container.
- **Model EM-H(X) - for earthing metal containers**
 - Clamp-free earthing of coated and painted containersTwo strong stainless steel spikes penetrate contamination or paint on the container.
 - Only approx. 40 mm high - easy for an automatic filling machine to move over
 - Model EM-HX - for drums to 205 L
 - Model EM-H: for small containers and drums from 5 to 50 L
- **Model EM – for earthing uncoated containers**
 - No scratching on containers to be sold onClamp-free earthing of uncoated and unpainted containers - protects the container
 - The small magnet ensures a good connection to smaller containers, eg tins



Earthing magnet EM-HX - for metal containers to 200 L, Order no. 217-934-J1



Earthing magnet EM-H for smaller metal containers, Order no. 217-933-J1,

NEW

Earthing magnet EM with cable and eye for unpainted, and small containers (e.g. tin containers)



Mini earthing clamps for drum pumps

- Approved in accordance with Atex for use in zone: 1, 2 and 21, 22
- Strong stainless steel mini clamp (L 60 mm, opening 15 mm) - ideal for connection to drum pumpEasy to use and secure connection
- With 3 m spiral cable
- Either with eye for customer earth connection or as a mobile version with an additional stainless steel clamp (L 140 mm), e.g. for secure connection to drums

NEW

Mini pump clamp in combination with drum clamp for safe connection of pump and container.



Model	EM	EM-H	EM-HX	Mini
Cable length [m]	5	3	5	3
Equipment - earthing systems	1 magnet / 1 cable eye			2 grounding pliers
Suitable for	Non-coated containers	Coated containers 5 - 50 L	Coated drums 50 - 205 l	Pump / container connector
Order number	217-932-J1	267-620-J1	217-933-J1	244-028-J1



- Ideal for preventing trip hazards
- Makes it easier to use cables and hoses where retractable / extendable lengths are required

Retractable cable for 230 V

- Fully insulated, automatic cable winder in plastic
- Fitted with overheat protection, automatic spring and contact Ring
- Includes fold-out mounting plate, cable, Schuko plug and coupling, 230 V
- Detachable cable locking device
- Approved to: 800 W fully wound up/ 2000 W unwound

Cable length [m]	1	15
External dimensions W x D x H [mm]	145 x 269 x 1294	163 x 309 x 309
Protection category IP	IP 24	IP 24
Order number	148-325-J1	148-329-J1

Hose reels for air

- Automatic hose reels, in plastic
- With connecting hose (1 m)
- Multiple latching per rotation
- Includes folding mounting plate

Hose length [m]	8	15	15	20
Features	PVC hose	Flexible hose		
Nominal width DN	8	10	12	10
Operating pressure max [bar]	12	15	15	10
External dimensions W x D x H [mm]	145 x 269 x 269	205 x 460 x 380	210 x 500 x 420	425 x 530 x 210
Order number	148-330-J1	148-378-J1	148-380-J1	250-519-J1

Hose reels for air and oil

- Automatic hose reels made out of cast aluminium
- With galvanised, fold-out unrolling hoop
- Multiple latching per rotation
- Incl. Special PVC hose
- Automatic locking mechanism

Order at the same time

Bracket for the wall allows the hose to move 120° side to side

Order no. 148-392-J1

Hose length [m]	12	20
Features	PVC hose	
Nominal width DN	10	10
Operating pressure max [bar]	15	15
External dimensions W x D x H [mm]	325 x 355 x 155	375 x 380 x 155
Order number	148-387-J1	148-391-J1

Hose reels for air, water and oil

- Automatic hose reels in painted sheet steel design
- Variable dispensing window with PVC rollers
- Incl. Rubber hose and stopper
- Multiple latching per rotation

Order at the same time

Bracket for the wall allows the hose to move 120° side to side

Order no. 148-758-J1

Hose length [m]	10	15	20
External dimensions W x D x H [mm]	460 x 460 x 180	494 x 470 x 180	494 x 470 x 180
Nominal width DN	12	12	12
Operating pressure max [bar]	50	50	50
Order number	148-393-J1	148-394-J1	148-395-J1



Drum tools for emptying and dispensing from containers with 2" threads

- Manufactured from polypropylene (PP) or stainless steel / aluminium
- Prevents uncontrollable leaks
- Drums stored horizontally can be completely emptied
- Quick and clean drainage even with liquids with high viscosity
- Optimal protection from leaks, as after decanting from the drum, the lid is screwed back on
- By turning the drum 180° the drum tool can also be used for filling

Earthing cables From page **322**

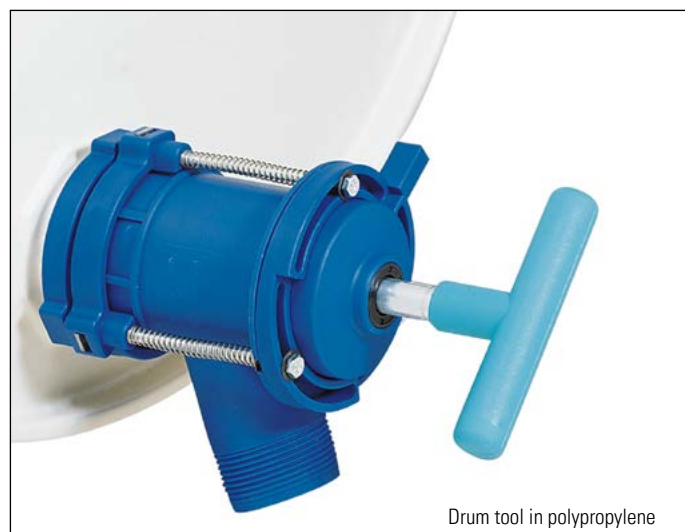
Spark-free tools for Ex zones

From page **578**



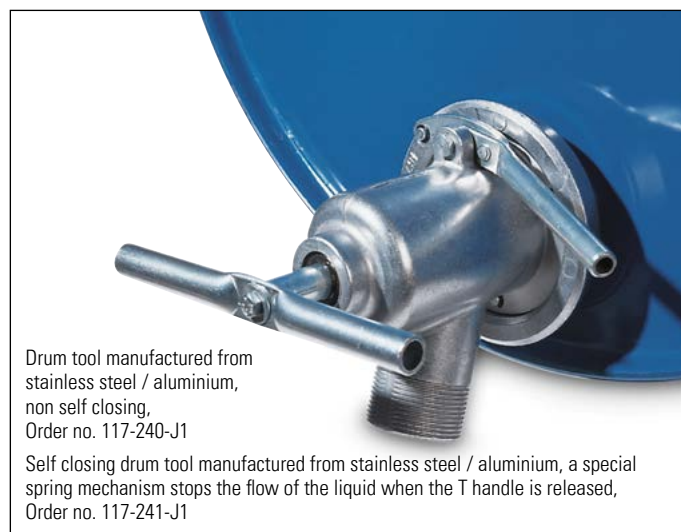
Drum tool in polypropylene

- Ideal for decanting aggressive chemicals
- Manufactured from polypropylene - high level of resistance to many acids and alkalis
- Opening diameter: 42 mm



In rust-free steel

- For dispensing mineral oil products, alcohols, flammable solvents etc
- To avoid static charge, drums and drum tooling can be connected with an earthing cable



Model	Drum tool in PP	Drum tool in aluminium
Design	—	—
Equipment	Adjustable Tap	Adjustable Tap
External dimensions W x D x H [mm]	100 x 200 x 160	170 x 190 x 160
Order number	117-117-J1	117-240-J1

Operation of drum tools



The drum tool is fitted onto the bung hole



Turn the handle to open the bung hole and push the lid upwards The liquid can then be dispensed



The drum tool can be used in combination with a funnel to dispense from drums In this case, the drum tool must be turned 180°

Lever Taps

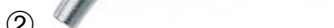
■ Secure dispensing for all containers with A 3/4 or 2 inch TriSure thread



① Aluminium tap 2", spring loaded activation knob, Order no. 145-222-J1



Liquids may be dispensed using 2 positions:
(A) continuous,
(B) precision dosing

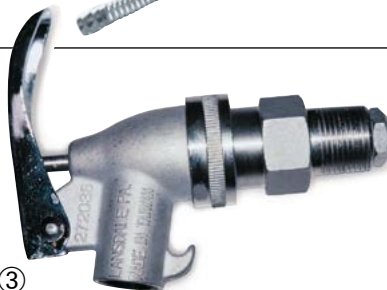
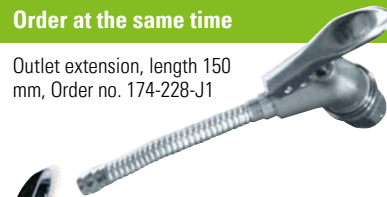


② Fine dosage drum tap 3/4", Order no. 117-189-J1



Order at the same time

Outlet extension, length 150 mm, Order no. 174-228-J1



③ High grade steel drum taps 3/4", Order no. 117-194-J1

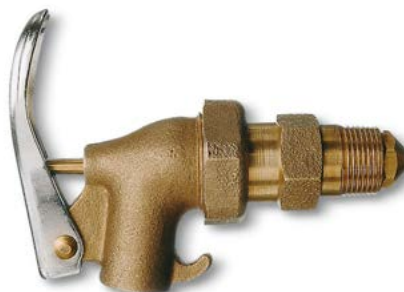


④ ⑤ Grey cast iron drum Tap, 2", Order no. 117-293-J1

Grey cast iron drum tap, 3/4", Order no. 117-292-J1



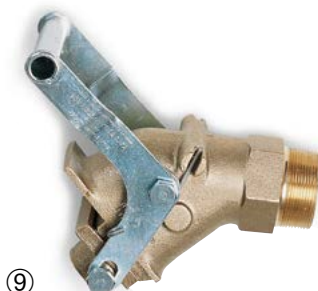
⑥ Brass safety valve 3/4", Order no. 117-291-J1



⑦ Brass drum tap 3/4", Order no. 117-132-J1



⑧ Brass drum tap 3/4", Order no. 117-195-J1



⑨ Brass drum tap 2", with closure plate with PTFE seal, Order no. 117-134-J1



⑩ Zinc Die-Casting Drum tap 3/4", Order no. 117-196-J1

①

②

③

④

⑤

⑥

⑦

⑧

⑨

⑩

Material	Aluminium	Stainless steel		Cast iron		Brass				Injection moulded zinc
Area of application - drum taps	Mineral oils	Aggressive liquids		Viscous liquids		Mineral oils	Light viscous liquids	Aggressive liquids	Viscous liquids	Alkaline liquids Mineral oil products
Thread	2"	3/4"	3/4"	3/4"	2"	3/4"	3/4"	3/4"	2"	3/4"
Seal material	Nitrile rubber	PTFE	PTFE	PTFE	PTFE	Nbr	PTFE	PTFE	PTFE	Plastic
Design	Self closing Tap	Can be adjusted for continuous or dosed flow	Self closing, adjustable Tap	—	—	—	Self closing, adjustable Tap	Self closing Tap	Self closing Tap	Flame arrestor
Additional equipment	—	Self-closing, flame block	Flame arrestor	—	—	—	Flame arrestor	Flame arrestor	—	—
Order number	145-222-J1	117-189-J1	117-194-J1	117-292-J1	117-293-J1	117-291-J1	117-132-J1	117-195-J1	117-134-J1	117-196-J1

Dispensing taps

- For dispensing exact quantities of liquid from plastic canisters or drums

Type AH

- For plastic canisters
- With tap Ø: 13 mm
- Through flow quantity: approx 25 ltr / min
- High resistance to acids and chemicals
- Food safe



Optimal filling even into small openings

Model	AH 40	AH 45	AH 51	AH 61
For thread Ø [mm]	42	45	55	61
Use	For 2 - 5 litre canisters	For 2 - 10 litre canisters	For 5 - 20 litre canisters	For 15 - 30 litre canisters
Order number	158-087-J1	158-091-J1	158-093-J1	158-094-J1

Model HF

- Ideal for precise dispensing of liquids from canisters or drums with a 2" thread
- With tap Ø: 23 mm
- Through flow quantity: approx 5 ltr / min
- Fast outflow due to separate air intake



Model	Hf-g	Hf-k	Hf-m
Thread	2" Mauser coarse	2" TriSure	2" fine
Use	For plastic L Ring drums up to 220 litres		For steel drums up to 205 litres
Order number	158-096-J1	158-097-J1	158-153-J1

Dispensing taps for plastic containers

- Ideal for the exactly measured dispensing of liquids out of plastic canisters
- Tap Ø: 23 mm
- Through flow quantity: approx. 5 ltr / min
- Suitable for food use (apart from model H 71)



Type H 45



Model H 61



Model H 71



L-ring drums

See page
446

Model	H 45	H 50	H 51	H 61	H 71
For thread Ø [mm]	45	50	55	60	72
Use	For 2 - 10 litre canisters	For 5 - 20 litre canisters	For 5 - 30 litre canisters	For 20 - 30 litre canisters	For 30 - 60 litre canisters
Order number	157-964-J1	157-963-J1	123-555-J1	117-296-J1	117-297-J1

PE Drum Taps 3/4" and 2"

- Suitable for corrosive and aggressive chemicals (not for acetone)
- Quick emptying of a 205 litre drum with a 2" drum tap in just 3 min
- Thread: TriSure 3/4" or 2"
- Fast outflow due to separate air intake
- PE locking lever
- EPE foam seal (Model FH 2)



Model	FH 1	FH 2
Thread	3/4"	2" fine
Order number	117-104-J1	117-105-J1

Drum tap with 2" thread,
Order no. 117-105-J1

Anti-static plastic dispensing tap 3/4"

- For solvents
- With internal thread adapter
- Drip prevention
- Removable reducer nozzle
- Anti-static



Anti-static plastic dispensing
tap 3/4" thread,
Order no. 193-761-J1

Overflow indicator

■ Prevent drums from being over-filled inadvertently

- A red float indicates that the drum is almost filled
- Suitable for all drums with 3/4" and 2" bung opening
- Ready for a ventilation connection, to dissipate vapours from unpleasant smelling substances or substances that release strong gases, for example
- Optional with screwed connection or transparent protective CAP



Order no. 148-370-J1



Order no. 148-365-J1

With separate screwed cover (black),
Order no. 148-370-J1

With transparent protective CAP,
Order no. 148-365-J1

Drum pumps

From page
292



Thread adapters

- For connecting different types of thread on canisters, drums, taps and pumps
- Available as a set of 9 adapters, or individually
- Thread: (I) = internal thread, (A) = external thread



i Set: 9 adapters,
Order no. 117-115-J1

Colour 1	Yellow	Green	White	Red	Blue	Grey	Orange	Black	Brown
From thread (INT)	2" fine	2" fine	2" fine	2" Mauser coarse	2" fine	2" fine	2" fine	—	2" fine
From thread (EXT)	—	—	—	—	—	—	—	2" fine	—
To thread (INT)	DIN 61 / 31	DIN 51	63 mm ASTM	—	—	—	—	—	DIN 71
To thread (EXT)	—	—	—	TriSure coarse	2" Mauser coarse	DIN 61 / 31	TriSure coarse	DIN 61 / 31	—
Order number	117-110-J1	117-112-J1	117-114-J1	117-108-J1	117-109-J1	117-111-J1	117-107-J1	117-113-J1	164-153-J1

Special thread adaptors

For joining different threads or connecting hoses



Model	SG 1	SG 2	SG 3	SG 4
From thread (INT)	2" fine	2" fine	2" fine	—
From thread (EXT)	—	—	—	2" fine
To thread (INT)	DIN 59	—	—	Ø 36-38 mm
To thread (EXT)	—	S64x4	2" Mauser coarse	—
Order number	171-727-J1	171-732-J1	171-733-J1	171-738-J1

Model	SG 5	SG 6	SG 7	SG 8
Thread	DIN 61 / 31	DIN 61 / 31	DIN 61 / 31	DIN 61 / 31
Hose connection	1"	1 1/4"	1 1/2"	2"
Order number	171-734-J1	171-735-J1	171-736-J1	171-737-J1



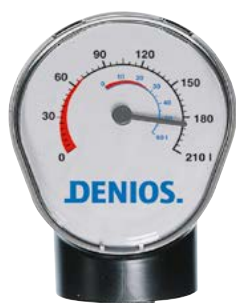
Hose thread adaptor SG 5 to SG 8.
(Similar to image)

Level indicator with capacity gauge for types FS and FH

Suitable for all standard 205 litre drums (FS also for 60 litre drums), to be used with non-corrosive liquids such as oils, antifreeze, diesel and heating oil. The level indicator is placed over the 3/4" opening. A pump can be placed on the 2" bung hole at the same time as the level indicator, to dispense measured amounts.

TYP FS

- The swimmer floats on the liquid surface and the volume scale indicates the drum contents
- With combined scale for 60 and 205 litre drums



New: FS with combined scale for 60 and 205 litre drums!

Level indicator Model FS, for 60 and 205 litre drums with 3/4" bung hole, suitable for oils, antifreeze, diesel and heating oil.

Order no. 137-715-J1



TYP FH

- For all standard commercial 200-litre drums
- Hinged float system - fill level displayed as approximate quantity in litres and %



Order no. 129-362-J1

Electronic dipstick for simple level measurement in drums and tanks:
denios.shop/level-indicators



Level indicator for horizontally stored drums

- Suitable for all 3/4" taps
- Contents can be dispensed when fill-level indicator fitted



Order no. 117-138-J1

(without Tap)

Drum taps

See page
328

Drum safety valve

- For standing or horizontal drums
- Ensures the necessary pressure balance when dispensing or pumping out
- In brass, with 2" thread



Drum safety vent

Order no. 117-131-J1

Clamping Ring opening tool with plastic handle

- For use with clamping rings - simple and hazard free operation
- Avoids fingers getting crushed when the locking mechanism closes
- The end of the lever fits into the opening for the securing pin on the clamping Ring



Clamping Ring opening tool with plastic handle

Order no. 117-277-J1



Spark-free tools for Ex zones - see shop!
denios.shop/non-sparking-tools



Drum opener

- For the safe opening of conventional 205 litre steel drums
- The extra large handle gives good leverage
- Sturdy steel design with a quality blade in a special brass alloy
- Replacement blade available as an accessory

Order no. 156-168-J1



Spare blade



Order no. 156-255-J1

Tri-sure® drum and carboy keys

For the safe lifting of sheet sealed caps and unscrewing of drum seals.

- Open sealed caps and drum seals with just 1 tool
- Galvanised steel
- For all tri-sure 3/4" and 2" screw connections
- With casing opener



Order no. 202-167-J1

Safe fitting and removal of sealing caps - no risk of injury as is the case when using pliers etc

Bronze multipurpose drum opener

- Easy opening of container lids and 3/4" and 2" drum bung holes
- Sparking is completely eliminated

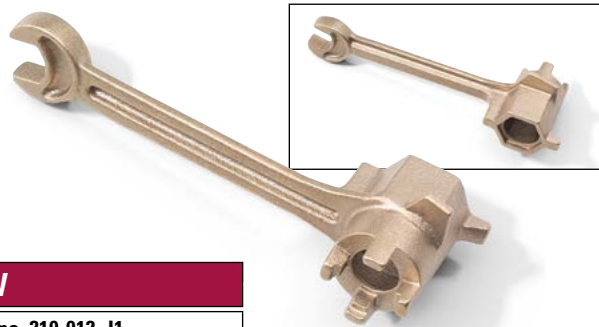


Use the bronze opener to easily lift stuck lids for example on clamping Ring drums

Order no. 210-011-J1

Multi-purpose drum wrench in brass

- Suitable for closures on standard steel and plastic drums
- Non-sparking tool
- With additional open end wrench (width 22 mm)

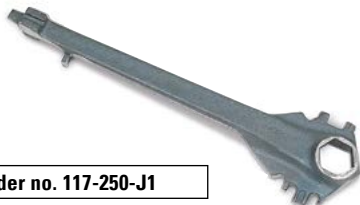


NEW

Order no. 210-012-J1

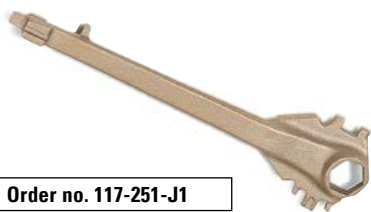
Drum wrench universal

- Fits all standard bung covers
- Easy opening with long handle
- Drum wrench in bronze - avoids the build up of sparks



Order no. 117-250-J1

Drum wrench in steel



Order no. 117-251-J1

Drum wrench in bronze

Drum wrench

- In painted cast iron
- Suitable for almost all seal types
- Multipurpose



Order no. 117-139-J1

Drum wrench

- Drum wrench in painted steel
- Designed for the most common drum seals



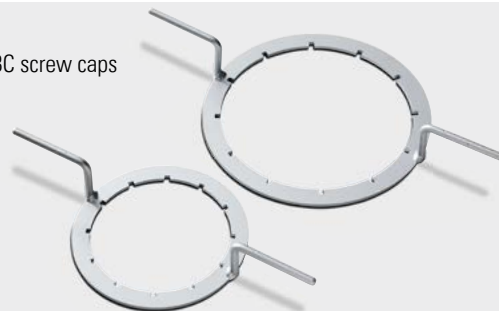
Order no. 157-449-J1

IBC lid opener

- Ring wrenches for conveniently opening IBC screw caps
- In galvanised steel
- Available in 2 sizes

DN 150,
Order no. 185-786-J1

DN 225,
Order no. 185-787-J1



Drum wrench, multifunctional

- Drum wrench in sturdy cast iron, painted black
- Multifunctional, as the drum key operates with the seals of all commercially available steel and plastic drums



Order no. 157-450-J1

Drum wrench in bronze

- Sparking is completely eliminated
- For all conventional drums
- In space-efficient design



Order no. 117-199-J1

Drum wrench in plastic

- Suitable for 3/4" and 2" bung hole and synthetic lids DIN 51 and DIN 61

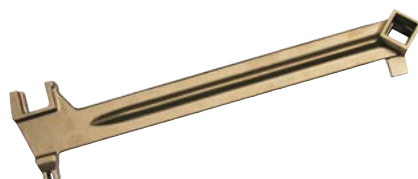


Order no. 117-253-J1

Spark-free drum wrench for potentially explosive areas

In special bronze - certified for use in Ex Zones 1, 21

- For 22 drum closures



Order no. 250-295-J1

Cross-shaped drum wrench

- Drum wrench in painted steel
- To easily opening all conventional drum lids using the wheel spider principle



Order no. 171-739-J1

Ring spanner DIN 70

- Ring spanner for conveniently opening canister screw caps



Pack = 3 item(s)
Order no. 188-645-J1

Galvanised steel drum funnel,

- Equipped with a hinged lid and strainer, external thread 2"

- Capacity: approx. 6 Litres

- Cylindrical shape
- Capacity: approx. 8 Litres

Capacity [l]	6	8
Height, external [mm]	350	220
Ø external [mm]	300	
Order number	123-346-J1	171-745-J1

Lockable, polyethylene drum funnel (PE)

- Suitable for drums with 2" bung hole
- Capacity: max. 3.2 Litres
- Diameter of filling opening: 250 mm

Order no. 163-739-J1



Stainless steel safety funnel, for drums

- With overflow protection, lid and flame arrestor



- For the safe filling of combi-drums with a buttress thread S56x4 (diameter 56 mm)



- For the safe filling of 60 or 200-litre bung hole drums, with 2" TriSure thread

Drum threaded fitting	S56x4	2" TriSure
Features	Earthing cable connection, inset strainer	—
Ø x H [mm]	140 x 330	110 x 330
Order number	217-947-J1	129-141-J1

Stainless steel funnel

- For plastic canisters with a union nut
- Ideal for the measured filling of small amounts of fluids
- Corrosion free and resistant to aggressive media
- With overflow prevention
- Incl. Lid and flame barrier



For container threads	H51	H61	H71
Ø external [mm]	140		
Order number	187-010-J1	129-142-J1	137-515-J1

Stainless steel funnels

- For aggressive substances with a handle and integrated strainer, which retains solid pollutants



Ø external [mm]	120	140
Version	Straight outlet	
Order number	157-816-J1	157-825-J1

Funnel with strainer

- Funnel in galvanised steel with handle and integral strainer, which retains solid pollutants



Funnel (Ø 160 mm) with a strainer and a flexible funnel neck (Ø 38 mm), can be dismantled

Ø external [mm]	160	200
Version	Flexible outlet	
Material dispensing	Hdpe	
Order number	145-549-J1	145-548-J1

Drum funnel

- Hot dip galvanised funnel with stiff funnel neck
- Ergonomic, safe handle



Ø external [mm]	200	240
Material	Steel	
Material dispensing	Pe	Steel
Order number	145-545-J1	145-546-J1

For filling containers with small amounts of liquids

- Ideal for the measured filling of small amounts of fluids
- Made from galvanised steel
- With strainer and 300 mm flexible hose
- Ø: 150 mm



Order no. 145-220-J1

Funnel set

- Consisting of 4 plastic funnels with diameters 50, 75, 100 and 120 mm
- Ideal for safely dispensing small quantities of liquids into transport or dispensing containers as well as to safely empty small containers into a collecting container



Order no. 123-244-J1

Synthetic funnel

- Ideal for safely dispensing small quantities of liquids into transport or dispensing containers as well as to safely empty small containers into a collecting container



Ø external [mm]	160	195	235	160	210	230	External dimensions W x D [mm]	208 x 298
Version	Straight outlet			Angled outlet	Flexible outlet	Straight outlet	Version	Straight outlet
Additional equipment	Strainer	Strainer	Strainer	Strainer	Strainer	Strainer	Additional equipment	Strainer
Order number	123-247-J1	123-248-J1	123-249-J1	123-246-J1	145-550-J1	117-259-J1	Order number	117-260-J1

FALCON drum funnel in steel

For filling liquids in 205 litre steel drums safely, through the 2" bung hole

- Large drum funnel in robust steel design with high quality powder coating in grey
- The funnel volume of 30 litres enables quick filling of large volumes of fluids
- External dimensions (Ø x H): 650 x 135 mm
- Internal dimensions (Ø x H): 620 x 135 mm

Order no. 123-242-J1

Level indicator Model FS, for 60 and 205 litre drums with 3/4" bung hole, suitable for oils, antifreeze, diesel and heating oil.,
Order no. 137-715-J1



60 and 205 litre drums

See page
445



FALCON drum funnel in polyethylene (PE)

Safe filling of 205 litre steel bung drums and 220 litre plastic L ring drums

- Polyethylene funnels in a compact design
- With integral outlet pipe for holding the funnel in the drum bung hole
- Max. Filling volume: 25 litres
- Ø external: 645 mm
- With stainless steel strainer insert
- The cover, available as an optional extra, protects the drum contents from contamination
- Also available as electrically conductive version (TÜV-tested, colour black, without strainer insert)
- Small boxes and filters can be set out to drip

Funnel GP 2 on a 205 litre steel drum,
Order no. 240-013-J1

Dissipative version (TÜV-tested),
Order no. 241-917-J1



Plastic lids,
Order no. 240-014-J1

Conductive version,
Order no. 241-918-J1



Order at the same time

Plastic lids

- The PE lid can be easily hung on the funnel if not used
- Also suitable for steel funnels with order no. 123-242

Order no. 240-014-J1



FALCON drum funnel in polyethylene (PE), round

- Covers the whole of the top of the drum
- All drum funnels with cover, also in dissipative design
- Ideal for easy filling of 205 litre drums
- Boxes or drip filters can be placed on the profiled surface
- Seamlessly made in chemical resistant polyethylene (PE)
- Diameter: 580 mm
- Max. filling volume: 5 litres
- Optionally with or without cover
- With opening for the use of a fill level indicator on all drum funnels without a cover



Funnel optionally with or without strainer
Order no. 114-741-J1



Funnel with adapter
Order no. 114-753-J1



Lockable funnel, dissipative (TÜV-tested),
Order no. 186-546-J1

FALCON drum funnel in polyethylene (PE), honeycomb

- Covers the whole of the top of the drum
- All drum funnels with cover, also in dissipative design
- Ideal for easy filling of 205 litre steel and plastic bung hole or lidded drums
- The profiled surface allows clean, spray-free filling
- Seamlessly made in chemical resistant polyethylene (PE)
- Dimensions (Ø x H): 690 x 190 mm
- Max. filling volume: 22 litres
- Opening for a fill level indicator
- The optionally supplied cover keeps contamination out and can be locked.



Lockable funnel optionally with or without strainer, in anti-static version (tÜV-tested) (Lock not included in scope of supply)



Lockable funnel with adapter



Funnel with extra large volume, with or without strainer

Order at the same time

Immersion pipe, for all drum funnels with adapter



Order no. 114-755-J1

Version	FALCON drum funnel in polyethylene (PE), round			FALCON drum funnel in polyethylene (PE), honeycomb		
	Without strainer	Strainer	Adapter for 2" drum connector	Without strainer	Strainer	Adapter for 2" drum connector
Order number Without lid	114-741-J1	114-747-J1	114-749-J1	114-877-J1	114-878-J1	114-881-J1
Order number With lid	114-745-J1	114-751-J1	114-753-J1	114-879-J1	114-880-J1	114-882-J1
Order number Dissipative version with lid	186-546-J1	186-547-J1	186-548-J1	157-306-J1	157-307-J1	157-311-J1

i The version with a stainless steel adapter permits firm connection of the funnel to the 2" bung hole of the drum. It is used at the same time to connect the immersion pipe (for filling below the surface of the liquid – see accessories)

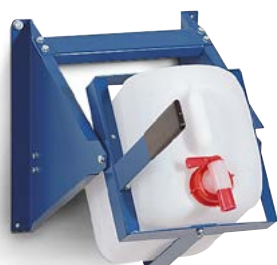


Dispensing platform
AB 60-V
(see accessories for drip tray)

Order no. 123-547-J1

Dispensing platforms model AB

- Ideal for use in workshops, laboratories and for industrial use
- Makes it easier to empty plastic carboys
- The carboys are held securely in the rotatable basket
- Precise amounts can easily be dispensed using the handle to tip the carboy
- A spill tray to protect the surrounding area from contamination, for placing dispensing platforms models AB 30-V and AB 60-V inside, is available as an accessory
- Sets of 4 castors, 2 of which have brakes, are available as accessories for models AB 30-V and AB 60-V



Dispensing platform AB 10-L,
suitable for wall mounting or as
a standing unit,
Order no. 136-492-J1



Dispensing platform AB 10-E in stainless
steel, suitable as a standing unit or for wall
mounting, Order no. 136-491-J1



Dispensing platform AB 30-V (see accessories
for castors), Order no. 122-918-J1

Order at the same time

- Set of rollers for model
AB 30-V / 60-V,
Order no. 122-965-J1



Floor spill pallet model KB-R 28
in PE, 28 litres

Order no. 118-580-J1

Model	AB 10-E	AB 10-L	AB 30-V	AB 60-V
Suitable for	10 litre carboy	10 litre carboy	20 litre/ 30 litre carboys	60 litre carboy
External dimensions W x D x H [mm]	350 x 330 x 570	350 x 330 x 570	410 x 545 x 1015	500 x 580 x 1390
Material	Stainless steel	Steel	Steel	Steel
Surface	—	painted	galvanized	galvanized
Order number	136-491-J1	136-492-J1	122-918-J1	123-547-J1

Drum rest in polyethylene (PE)

- Enables steel and plastic, 205 litre drums to be placed at an angle
- Can be used to assist in emptying a drum using a pump
- Manufactured from environmentally friendly polyethylene (PE)



Drum wedge, Order no. 114-894-J1



Drum wedge in
polyethylene

External dimensions
W x D x H [mm]

217 x 214 x 97

Order number

114-894-J1

Mobile spill pallets

See page
28-29





FALCON IBC funnel in polyethylene (PE), round

- Funnel for use with a conventional IBC
- For safely collecting and channelling liquids Spout Ø approx. 100 mm
- In high chemical resistant polyethylene (PE)
- Impact resistant
- Lightweight, easy to handle
- Domed base - liquids run off
- Capacity: 30 litres



IBC funnels are easily accessible from practically all sides for simple, quick filling using small containers



Even more great offers
in the shop!

» denios.shop/deals

Funnels for IBCs

FALCON IBC funnel in polyethylene (PE), square

- For safely collecting and channelling liquids
- In highly chemical resistant polyethylene (PE)
- Facilitates clean filling of even large quantities of liquids
- With larger drain opening (Ø 145mm) with integral 2" connection e.g. for optional level indicator
- Domed base - liquids run off
- Discharge basin with side storage areas
- With storage pocket for IBC locking lid
- Capacity: 15 litres



Filling funnels for IBC



Electrically conductive funnel for IBCs

	Round	X	Square
External dimensions W x D x H [mm]	690 x 820 x 200	790 x 730 x 175	790 x 730 x 175
Design	—	Non-electrically conductive	Electrically conductive
Colour	Anthracite	Grey	Anthracite
Order number	243-312-J1	218-986-J1	230-342-J1

Order at the same time

Extension tap for IBC

- Length (mm): 250



Order no. 117-254-J1

IBC lid opener

- Ring wrenches for conveniently opening IBC screw caps
- In galvanised steel
- Available in 2 sizes

DN 150,
Order no. 185-786-J1



DN 225,
Order no. 185-787-J1

Spill pallets for IBCs in polyethylene

From page
72-73



IBCs

See page
440-441



1. Safe working conditions

■ Work equipment

Work equipment includes drum lifters, pallet trucks or other accessories and extensions which can be attached to conventional forklift trucks or pallet trucks etc to transport large or bulky loads in a safe way or to move them to the area of production where they are required. Equipment like this must carry a CE mark.

■ Aids

Aids include transport trolleys, drum trolleys, gas cylinder trolleys and other equipment used for internal transport. These aids must be designed so that the lifting effort is reduced to a minimum, to reduce the risk of commonly occurring injuries and back pain for example.

2. Safe products in accordance with the machinery guidelines

■ CE marking for work equipment

The manufacture, marketing, launch, exhibiting, commissioning and use of machinery is subject to regulations which apply across the whole of the European economic area.

Handling products used for lifting loads are covered by the machinery guidelines (MRL). Machinery guidelines 2006/42/EC have been valid since 29.12.2009. They were included in the German legal system under the (9.ProdSV) machinery regulations. The area of application currently covers:

machinery, automatic manufacturing systems, exchangeable fittings for altering the operation of a machine, safety components and lifting equipment. The product safety law (ProdSG) relates to the terms and conditions for technical work equipment and consumer products which require a product mark.

3. Ex-marking in accordance with ATEX directive



Products with this marking are certified in accordance with the current Atex directive 2014/34/EU for use in areas at risk of explosion (e.g. zones 1 and 2), in compliance with the respective user manual / declaration of conformity.

For products which are not covered by the Atex directive, the manufacturer may specify suitability for areas at risk of explosion in a manufacturer's declaration if necessary.

Transport



and handling of goods in commercial operations



Drum dolly type DT 1 - DT 5.

- Practical transport of standing 60/205/220 litre drums made of steel or plastic
- Available with additional accessories - suitable for many applications

- For 60 litre steel drums
- Includes towbar for easy, ergonomic transport
- With 4 sturdy hooks keep the drum in position



Steel drum dolly DT 1 / 60 for 60 litre drums, incl Drawbar

Order no. 171-741-J1

- For 205 litre steel drums and 220 litre plastic drums



Drum dolly DT 1 / 200, in steel for 205/220 litre drums

Order no. 148-431-J1

- Tipping drum dollies in steel
- For 205/220 litre drums
- Mechanical device with foot pedal for easy tilting of the drum, useful for e.g. Emptying the drum using a pump
- Steel construction with long lasting powder coating in RAL 5010 (blue)



Order no. 189-634-J1

- With oil-tight welded, closed spill tray
- Edge height 80 mm
- Powder-coated in blue (RAL 5010)



- Stainless steel drum dollies
- For easy transport of 205 litre drums and stainless steel drums
- Especially suitable for the food and pharmaceutical industries
- Can be cleaned easily and quickly



- The sturdy drum dolly for especially heavy steel drums

- Load capacity up to 500 kg
- Sturdy steel construction, powder coated in blue (RAL 5010)



	①	②	③	④	⑤	⑥
Model	DT1 / 60	DT 1 / 200	DT 2	DT 3	DT 4	DT 5
Design	With handle	Standard	With oil-tight spill pallet	With tilting mechanism	Made of stainless steel	Especially for heavy drums
Overall load capacity [kg]	100	350	300	350	350	500
Ø internal [mm]	400	610	610	610	610	610
Height [mm]	135	125	185	145	165	165
Number of rollers	4	4	4	4	4	8
Ø roll [mm]	60	75	75	75	80	100
Order number	171-741-J1	148-431-J1	189-637-J1	189-634-J1	189-635-J1	189-636-J1

Drum gripper

- **Drum gripper for maximum safety when manually handling drums**
- **Also available in a version for use in EX zones**
- The gripping mechanism includes a clamping device which is specially designed for steel ribbed drums, steel clamping Ring drum lids or 220 litre plastic L Ring drums
- Explosion-proof design: stainless steel, handle in galvanised steel

Drum cart for corrugated steel drums



Drum dolly for plastic I-ring drums

Suitable for	Steel drums	Drums with steel lids	Plastic I-ring drums
Normal version			
Weight: 7 kg			
Order number	115-247-J1	115-248-J1	115-249-J1
Explosion-proof design			
Weight: 9 kg			
Order number	133-762-J1	133-761-J1	133-717-J1

Drum dollies type DT6 for drum overpacks

- **For the safe transport of 205 litre steel drums, salvage drums and drum overpacks**
- Adjustable from Ø 680 to 840 mm
- In galvanised steel
- Easy to move on 4 swivel castors



Model	DT 6	
Design	Non-electrically conductive	Electrically conductive
Overall load capacity [kg]	450	450
Ø internal [mm]	840	840
Height [mm]	123	123
Order number	115-199-J1	127-147-J1

i Also available in an electrically conductive version (when used in accordance with the intended use, suitable for potentially explosive areas)



Polyethylene drum dolly model Poly200

- High quality drum dolly with drip tray
- Ideal for 205 litre steel drums and 220 litre plastic drums
- Liquid-tight, corrosion-resistant and very resistant to acids and alkalis
- In environmentally friendly, solid coloured polyethylene (PE)
- Integrated drip tray with 5 litre collection volume
- Easy transport with 4 polyamide swivel castors (Ø 80 mm)
- With profiled floor for good stability during transport
- Available in 3 versions



Poly200 S is also available in a conductive version (suitable for potentially explosive areas)

The integrated push handle in the apron gives the option to carry small items and provides an additional splashguard



PE POLY200 S drum dolly, for the safe transportation of drums containing aggressive chemicals
Order no. 181-869-J1



Model	Poly200 E	Poly200 D	Poly200 S
Design	Without tow handle	With tow handle	Integral handle
Overall load capacity [kg]	300		
Non-electrically conductive, blue			
Order number	181-868-J1	181-867-J1	181-869-J1
Electrically conductive, black			
Order number	—	—	181-870-J1

Drum CADDY with a combined handle and lever, for safely lifting the drum while the CADDY is pushed underneath and for easy transport



Steel Drum Caddy

- Drum caddy for quick positioning of a drum without additional aids
- Especially low to allow access underneath and lifting of the tilted drum
- Simple transportation of 205 litre steel drums
- The combined handle and lever allows the drum to be safely tipped and easily transported
- Load capacity: 250 kg

Order no. 195-075-J1



A safety hook prevents the drum from slipping when it is tilted

Drum tipper trolley (includes handle)

The drum tipper trolley is able to lift a standing 205 litre drum. The drum is brought over the roller curve from a vertical to a horizontal position using the handle. The drum can then be transported to its storage location. Then the dispensing operation can take place. The removable drip collection tray ensures that the surrounding area is protected from pollution.

■ Easy and safe one man operation

- Dimensions W x D x H (mm): 665 x 925 x 600 (without handle)
- Load: 350 kg
- For long term storage on the drum tipper we recommend using our spill pallet FK 20, which the drum tipper will fit directly over. The spill pallet is included in the kit

Drum tipper model FKX with handle, drum support rollers and spill pallet

SET PRICE

Order no. 115-239-J1



Spill pallet FK20 for safe storage, dimensions W x D x H (mm): 1640 x 430 x 340, containment volume: 200 litres, Order no. 115-237-J1

Drum tipper trolley
(includes handle)

Order no. 115-235-J1



Order at the same time

Drum support rollers, allowing the drum to turn easily



Order no. 115-213-J1

Drip tray for safe dispensing, dimensions W x D x H (mm): 450 x 295 x 125



Order no. 115-186-J1

Securing strap to secure the drum during transport



Order no. 100-188-J1

Drum tipper trolley

- To hold and transport a standing 60 litre plastic carboy
- Can also be used for dispensing in a horizontal position
- External dimensions W x D x H (mm): 620 x 680 x 950
- The carboy tipper can be combined with the 60 litre plastic spill pallet in the kit to form a compact unit - ideal for regular filling processes

Drum tipper trolley, galvanized,
Order no. 130-362-J1



SET PRICE

Order no. 130-506-J1

Carboy tipper model BK 2-60 hot dip galvanised, incl. PE spill pallet



- For safe, easy transport, even over longer distances
- For 205 litre steel and PE I-ring drums
- With fold out, spring action feet for safe, space saving use

Optimised, easy drum handling
with much less effort!



Also available in an electrically conductive version (when used in accordance with the intended use, suitable for potentially explosive areas).

Drum trolley type FKR-S2

- With long lasting powder-coating in blue (RAL 5010)
- Easy drum pick-up with strap and safety hooks
- Two support castors increase safety
- The drum trolley enables the easy loading of 205 litre drums onto spill pallets (max. Spill pallet height 260 mm)
- Solid rubber wheels or pneumatic tyres. Wheel Ø: 350 mm



Drum trolley FKR-S2, powder coated in RAL 5010, with 2 stabilising, rubber wheels, Order no. 164-364-J1

Drum trolley type FKH

- Drum trolley with solid rubber tyres, for the safe transport and dispensing from 205 litre steel and plastic lidded drums
- For tipping and easy transport
- Easy, safe drum pick-up with safety hooks
- Can also be used as dispensing station
- Large solid rubber wheels, ideal for use on uneven floors



Also suitable as dispensing station

Drum trolley FKH with folding feet for stability, Order no. 164-355-J1

Model	Standard version		Conductive version	
	Fkr-s2	Fkh	Fkr-s2	Fkh
Tyres	Solid rubber	Air	Solid rubber	Solid rubber EL
Overall load capacity [kg]	300			
External dimensions W x D x H [mm]	730 x 545 x 1600		730 x 520 x 1600	730 x 570 x 1590
Order number powder coated	164-364-J1	164-362-J1	164-355-J1	180-863-J1
				180-861-J1

Drum trolley FKZ for steel and plastic drums

- Solid rubber wheels or pneumatic tyres. Wheel Ø: 350 mm
- For the transport and filling of 60 to 220 litre steel and plastic drums
- With foot plate and belt for secure transportation and safe dispensing



Also available in an electrically conductive version (when used in accordance with the intended use, suitable for potentially explosive areas).

Optimised, easy drum handling
with much less effort!



The folding foot prevents the drum trolley tipping over by accident



Drum trolley FKZ, powder coated in RAL 5010, pneumatic wheels, Order no. 164-370-J1

Drum tipper trolley BK-60

- Suitable for 30 and 60 litre containers
- Guarantees safe transport (additional safety chains are optionally available)
- Wheel Ø: 200 mm



With spill pallet
(see accessories)
suitable as
dispensing station



Sump pallet type PolySafe PSW 6.2, For directly placing containers into, Order no. 107-262-J1



Hot dip galvanised design, solid rubber tyres, (without safety chain) (pneumatic tyres see table)

Order no. 115-243-J1

Order at the same time

Safety chain for 33 kg cylinder

- For transport safety of 33 kg gas cylinders

Order no. 133-938-J1

Model	Standard version				Conductive version	
	Fkz		Bk-60		Fkz	Bk-60
Tyres	Solid rubber	Air	Solid rubber	Air	Solid rubber EL	
Overall load capacity [kg]	300		120		300	120
External dimensions W x D x H [mm]	730 x 565 x 1580		470 x 530 x 1160		695 x 650 x 1415	470 x 530 x 1160
Order number powder coated	164-371-J1	164-370-J1	164-368-J1	—	181-268-J1	181-316-J1
Order number Hot dip galvanised	—	—	115-243-J1	115-246-J1	—	181-315-J1

Drum transport and lifting trolley FTH 1

- For effortless placement of 50 to 205 litre steel bung hole drums on spill pallets
- Functions as both a drum trolley and a drum lifter
- Sturdy frame with stand, handles, wheels
- With height adjustable safety gripper to secure the drum to the frame
- Additional restraint system assists with locking onto the spill pallet during the gas spring assisted lifting process
- Suitable for use with a maximum height of 365mm
- 2 large rubber tyres (with ball bearings) Ø250mm



2 additional hooks anchor the transport lifter to the spill pallet to ensure the drum is set down safely.

DENIOS
warranty

5
years

Order no. 128-406-J1

Drum transport and lifting trolley FTH 1
for steel drums, load capacity 200 kg

Drum pallet truck type FHW for lifting drums

- For straightforward lifting, placing and transporting of a 200 litre steel drum on level ground
- Load capacity: 350 kg
- Simple single lever control for all functions
- The clamp opens when lowered and picks up the drum
- Clamp closes around the drum automatically when lifting
- Wheels manufactured from nylon
- Powder-coated in blue (RAL 5010)

- Combine the comfort of a pallet truck with the functionality of a drum transport and lifting trolley



Order no. 158-052-J1

Drum pallet truck,
load capacity 350 kg



■ For transporting 205 litre drums vertically



Drum tong FZ 600

- For vertically lifting and transporting 205 litre ribbed steel or clamping Ring drums
- Also suitable for operating amongst drums stored in close proximity to each other or to fill safety or recovery drums
- With long lasting powder-coating in blue (RAL 5010)
- Load capacity: 350 kg
- Weight: 10 kg

TOP PRODUCT

Order no. 115-256-J1



Drum lifting chain with belt

Ideal for transporting opened or sealed metal drums with rims around the top. The belt is fastened under the rim at the top of the drum and is secured firmly in place using the fastener. The width of the belt can be altered using the screws.

- Drum diameter: 560 - 610 mm
- Load capacity: 300 kg
- Weight: 10 kg

Order no. 115-197-J1



The drum is only gripped on one side, so the drum tongs fz-s can also be used without any problems when several drums are standing close together

Drum tong fz-s

- Ideal for closely packed drums

For lifting 205 litre ribbed steel drums vertically. Also suitable for lifting open drums as the drum remains in a vertical position. Powder coated in blue (RAL 5010)

- Load capacity: 350 kg
- Weight: 8 kg

Order no. 115-266-J1

Drum lifting attachment FGH

- For vertically lifting and transporting 110 / 220 litre plastic I-ring drums and 60 / 205 litre steel ribbed drums
- Sturdy chain construction with special grip hooks for picking up the drum
- Load capacity: 300 kg
- Weight: 4 kg

Order no. 115-187-J1

Drum gripper P 360

- For vertical lifting and transporting of 205 litre steel drums and 220 litre plastic I-ring drums
- With long lasting powder-coating in blue (RAL 5010)
- Height: 350 mm
- Load capacity: 350 kg
- Weight: 5 kg

Order no. 164-641-J1

Clamping drum gripper P 400

- For vertically lifting and transporting 120 litre plastic lidded drums
- Easy to fit onto the drum as the clamp grips the drum automatically
- The clamp releases by pushing the handle
- Zinc-plated
- For drum diameter: 395 mm
- Load capacity: 360 kg
- Height: 370 mm
- Weight: 7 kg

Clamping drum gripper model P 400, hot dip galvanised

Order no. 157-584-J1

Order at the same time

Forklift truck hooks

For fitting onto the forks of a fork lift truck. The karabiner hook can be used to hang chains or drum tongs from, to enable the drums to be transported safely.

- Load capacity: 2000 kg
- A terminal screw for securing to the forklift blades
- Forklift pocket dimensions W x H (mm): 170 x 70
- Length (mm): 500 (DZ) / 220 (EZ)
- Distance between the pockets, model DZ (mm): 190



Fork lift truck hooks DZ for lifting drums using two fork lift truck hooks, weight: 29 kg, Order no. 115-190-J1



Fork lift truck hook EZ for lifting drums using one fork lift truck hook, weight: 11 kg, Order no. 115-189-J1

Lifting chain

- In accordance with EN 818-4, goods classification 8 with connecting clip and safety hook
- Length: 1000 mm, load capacity: 1120 kg



Order no. 137-691-J1

Drum clamp Model SK, tested and suitable for use in Ex Zones



Safe transport of plastic and steel drums

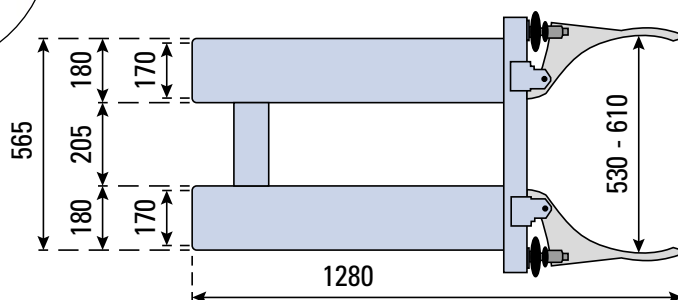
- With adjustable, automatically closing drum clamp to grasp and firmly hold the drum
- Secure grip even for different sizes of drum
- Tested and suitable for use in EX zones: IIB T4 Zone 1

- Suitable for 220 litre plastic drums and 205 litre steel ribbed drums



Order no. 212-869-J1

Easy to adjust for any drum type with handwheel and scale



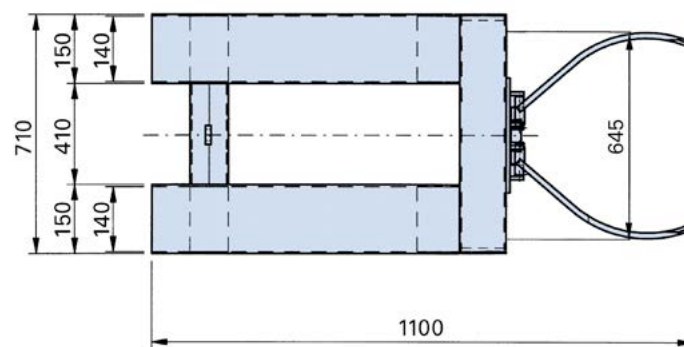
Top view: drum clamp model SK

Drum clamp FK



Order no. 164-394-J1

- With automatically closing drum clamp to grasp and firmly hold the steel drum
- Suitable for use with 205 litre steel ribbed drums



Top view: drum clamp FK

- Drum clamps as forklift attachments to transport 1 drum
- Suitable for 220 litre plastic drums or 205 litre steel ribbed drums
- Includes wing nuts to secure the clamp to the forklift
- With long lasting powder-coating in blue (RAL 5010)

Model	Fk	SK
Suitable for	205 litre steel ribbed drum / steel lidded drum	205 litre steel ribbed drum / steel lidded drum and 220 litre plastic lidded drum / plastic L Ring drum
Overall load capacity [kg]	350	300
External dimensions W x D x H [mm]	710 x 1100 x 160	675 x 1280 x 220
Forklift pocket W x H [mm]	150 x 55	170 x 70
Weight [kg]	56	47
Order number	164-394-J1	212-869-J1

Drum gripper SH

- Practical transport of up to 2 x 205 litre steel drums
- Secure grip even on uneven surfaces
- One-person operation - no need for an additional person when approaching and picking up the drum

By driving up to the top rim of the drum and lifting the drum, the gripper will automatically grip the rim of the drum. The gripper anchors itself on the edge of the drum during the lifting process. When placing the drum on the ground again, the locking device on the gripper releases automatically.

- Secure attachment of steel drums and clamping Ring drums
- Height adjustable
- Sturdy welded design in steel
- Forklift attachment module with long lasting powder-coating in blue (RAL 5010)
- Quick and easy to fit to the forklift forks
- Automatic grip when the drum is lifted
- Automatic clamp release when the drum is lowered



Tested spill pallets with approval for the storage of hazardous substances

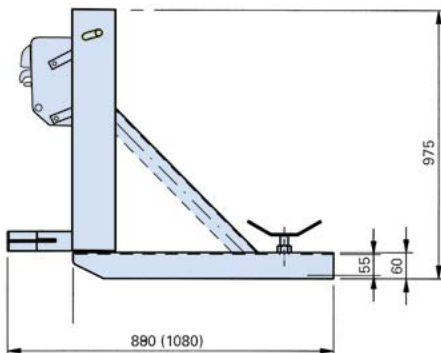
From page
10



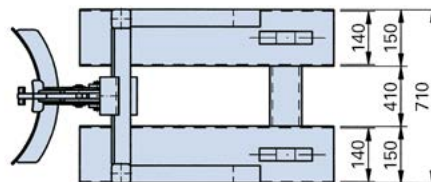
Drum gripper model SH 1 for 1 x 205 litre drum, load capacity: 350 kg



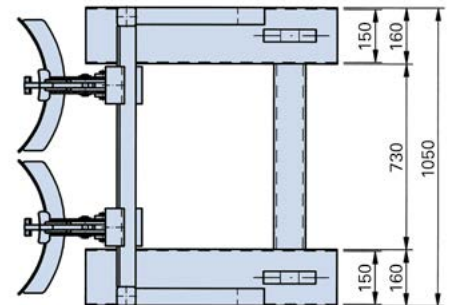
Drum gripper model SH 2 for 2 x 205 litre drums, load capacity: 2x350 kg



Side view: drum gripper SH 1 and SH 2



Top view: drum gripper SH 1



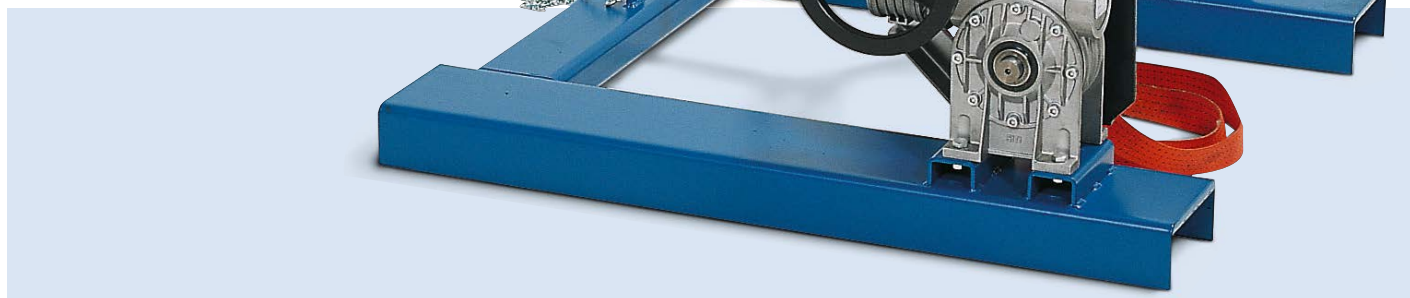
Top view: drum gripper SH 2

Model	SH 1	SH 2
Overall load capacity [kg]	350	700
Suitable for	1 x 205 litre steel ribbed drum / steel lidded drum	2 x 205 litre steel ribbed drums / steel lidded drums
External dimensions W x D x H [mm]	710 x 890 x 975	1050 x 1080 x 975
Forklift pocket W x H [mm]	140 x 55	150 x 55
Weight [kg]	70	110
Order number	115-223-J1	115-225-J1

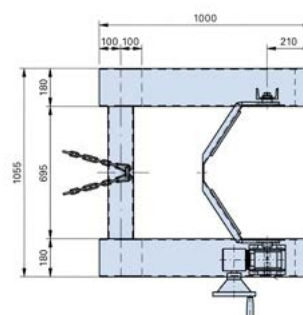


Drum turner SV

- Suitable for drums with Ø of 380 to 600 mm
- Also available as ex-proof versions complying with ATEX
- Ideal for 60 to 220 litre plastic I-ring and covered drums and 60 and 200 litre steel ribbed and clamping Ring drums
- Self-locking worm gear with an easy to operate hand wheel
- Pivoted prism jaws with securing belt at the front
- Chain to secure the tilting attachment to the fork lift truck
- Rotation range: 180°



EX version see table



Top view: drum turner SV



Order no. 164-393-J1

Drum turner SVK

- The chain ensures controlled emptying of the drum at the desired height and is easy to operate from the driver's seat
- The tilting attachment has bolts to secure it to the fork lift truck
- Sturdy welded design in steel
- With long lasting powder-coating in blue (RAL 5010)
- Rotation range: > 360°

- The drum tilting attachment is an accessory for fork lift trucks, and is suitable for lifting, turning, controlled emptying of drums and transporting drums. Easy to use one-man operation.

Model	Sv	Svk
Use	60 to 220 litre plastic and 60/205 litre steel drums	205 litre steel drum
Overall load capacity [kg]	300	300
Weight [kg]	90	70
Forklift pocket W x H [mm]	170 x 70	180 x 65
Distance between fork pockets [mm]	695	620
Order number Standard version	115-286-J1	164-393-J1
Order number Explosion-proof version	147-724-J1	—



Driver operates the chain from the seat of the forklift truck

Drum gripper RLN

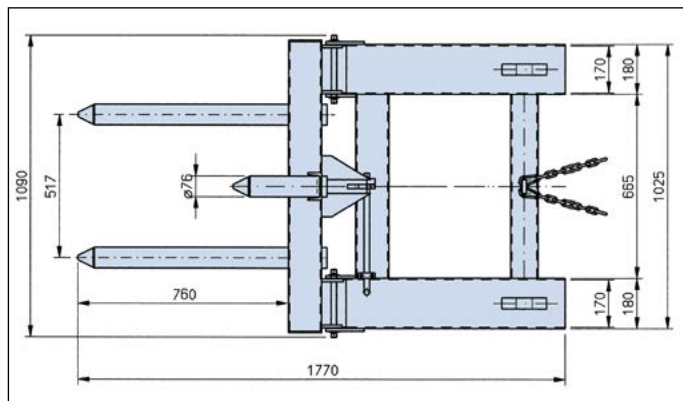
■ For standing and horizontal 205 litre steel drums

■ Tested and suitable for use in EX zones: IIB T4 Zone 1

- Compactly designed drum reception
- Automatic locking
- Drums can be placed next to each other on a shelf
- The standing drum is gripped and when the forklift is lowered the drum moves to a horizontal position
- The drum can then be stored without any additional manual effort



Top view: drum gripper RLN



Model	RLN
Use	205 litre steel drum, standing or horizontal
Overall load capacity [kg]	300
Weight [kg]	75
Forklift pocket W x H [mm]	170 x 70
Distance between fork pockets [mm]	665
Order number	115-289-J1

Notes on how to select the right drum lifter

Page Application

- 340** Drum lifter for simple loading of Euro pallets, base heating plates and drum dollies
- 341 - 3424** Drum lifter for loading over the corner of Euro pallets or spill pallets
- 343** Drum lifter for moving around Euro pallets and spill pallets for 205 to 220 l steel and plastic drums with a function to turn the drums in a 180° range.

Page Application

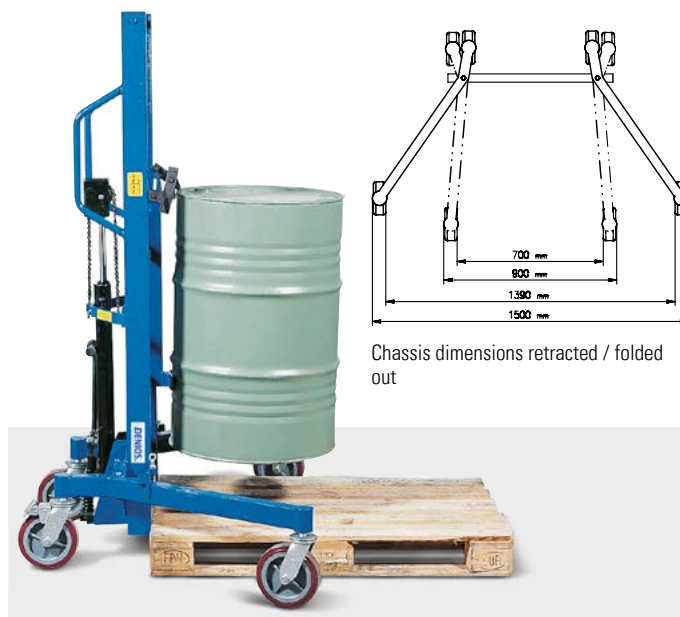
- 344 - 345** Drum lifter for moving under or around Euro pallets and spill pallets for 60 to 205 l steel drums ... in Ex area
- 347**
- 344 - 345** Drum lifter for moving under or around Euro pallets and spill pallets for 205 to 220 l steel and plastic drums ... in Ex area
- 348**
- 344 - 345** Drum lifter for moving under or around Euro pallets and spill pallets for 60 to 220 l steel and plastic drums with a function to turn the drums in a 360° range ... in Ex area
- 349**

Drum lifter Servo with adjustable chassis

Order no. 227-164-J1



- Easy to manoeuvre in confined spaces
- Adjustable chassis (700 and 1390 mm clear width)
- Flexible use, ideal for loading denios spill pallets and containers or for loading shelving
- Suitable for 205 litre steel ribbed drums
- Special, self-closing gripping mechanism
- Compact size will fit through most standard industrial doors
- 4 large swivel castors (2 with brakes) enable easy manoeuvring and safe transport even over longer distances
- With long lasting powder-coating in blue (RAL 5010)
- Load capacity: 350 kg



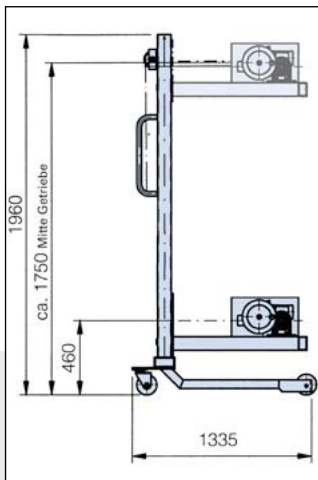
Easy approach e.g. to a spill pallet, even in the smallest of spaces

Drum lifter Servo with 180° drum turner

- **Lifting, turning and emptying of 205/220 litre steel and plastic drums**
- Safety handle can be operated with one hand and has A 3 way function (lifting / lowering / transporting)
- Additional foot pedal for accurate lifting
- The extended wheel and safety grid ensure maximum safety for the user
- 2 fixed castors and 2 swivel castors (with brakes and foot guard) ensure easy manoeuvrability
- With robust powder coating in blue (RAL 5010)
- Rotation range: 180°

For steel drums

- Safety hooks beneath the drum protect and retain the steel drum



Side view: Drum lifter with drum turner 180 degrees

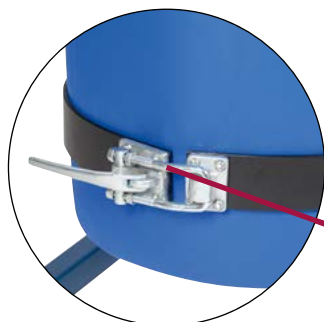


Detail: safety handle



For steel and plastic drums

- With additional safety clamp - both steel and plastic drums are safely gripped and held



Safety clamp for plastic drums, with adjustable lever operated locking clamp



INNOVATION



Suitable for	205 L steel drums	205 litre steel drums, 220 litre plastic L ring drums
Lift height max [mm]*	1270	
Overall load capacity [kg]	350	
External dimensions W x D x H [mm]	1105 x 1335 x 1960	
Clear chassis width [mm]	940	
Ground clearance [mm]	150	
Order number	227-163-J1	236-464-J1

*Measured at lower edge of 205 l steel drum (max. lifting height may vary for other drum types)

Drum lifter type servo FL - the flexible drum lifter for production and operation.

■ Rigid, torsion-resistant steel frame with blue powder coating

Drum lifters from the Servo range offer suitable solutions for many applications:

On the following pages you'll find 3 wheelbase types, combined with 4 practical and sturdy drum gripper types - for lifting, transporting or turning steel and plastic drums.

- Model Servo FL 8: 154 cm high, narrow wheelbase
- Model Servo FL 12: 154 cm high, wide wheelbase
- Model Servo FL 16 F: 213 cm high, wide wheelbase

- Easy lifting with foot-operated hydraulic system
- Convenient lowering with separate foot-operated pedal
- Easy to manoeuvre with 2 fixed and 2 swivel castors (with brakes)



Practical foot pump for ergonomic drum lifting

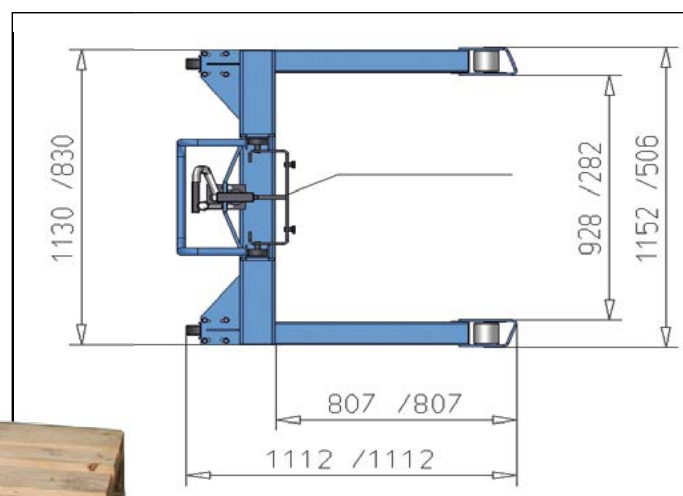


Narrow wheelbase - for inserting in Euro pallets or various denios spill pallets



Wide wheelbase - for positioning "around" Euro pallets and denios spill pallets. Reaching over a Euro pallet is also possible, for example to pick up a drum standing at the back.

Dimensions wide / narrow wheelbase



Drum lifter Servo with drum gripper

- Special gripper mechanism for 60 litre and 205 litre steel ribbed drums and steel clamping Ring drums
- Load capacity: 300 kg



Wheelbase	Narrow	Wide	Wide
Lift height max [mm]*	740	740	1390
Lift height min [mm]	120	0	0
Clear chassis width [mm]	278	974	974
Height [mm]	1605	1605	2135
Order number	181-092-J1	115-218-J1	181-098-J1

*Measured at lower edge of 205 l steel drum (max. lifting height may vary for other drum types)



Drum lifter Servo with drum clamp

- Drum clamp is adjustable, has automatic closing, universally suited to all 205 / 220 litre steel and plastic drums
- Load capacity: 300 kg



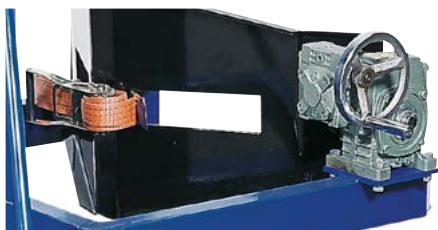
Wheelbase	Narrow	Wide	Wide
Lift height max [mm]*	520	520	1170
Lift height min [mm]	120	0	0
Clear chassis width [mm]	278	974	974
Height, external [mm]	1605	1605	2135
Order number	214-474-J1	214-475-J1	214-476-J1

*Measured at lower edge of 205 l steel drum (max. lifting height may vary for other drum types)



Drum lifter Servo with 360° drum turner

- Gripping system with rotatable prism jaws - ideal for 60 to 220-litre plastic L Ring drums and lidded drums, as well as 60 and 205 litre steel ribbed drums and clamping Ring drums
- Self-locking sensitive gears with hand wheel
- Load capacity: 300 kg



Wheelbase	Narrow	Wide	Wide
Lift height max [mm]*	750	750	1400
Lift height min [mm]	120	0	0
Clear chassis width [mm]	278	974	974
Height [mm]	1605	1605	2135
Order number	181-088-J1	181-090-J1	115-293-J1

*Measured at lower edge of 205 l steel drum (max. lifting height may vary for other drum types)



Developed for EX areas

The highest levels of functionality and safety



Secu Ex drum lifters

Versions:

Drum lifter Secu Ex is available with 3 different types of drum holders, for **lifting, transporting** and also **turning** steel and plastic drums. Select the drum holder suitable for your application in combination with one of the **3 chassis variants: narrow chassis, wide chassis or v-shaped chassis** (detailed descriptions can be found on the following product pages)

■ Narrow wheelbase

e.g. with drum turner



■ Wide wheelbase

e.g. with drum clamp



■ V-shaped wheelbase

e.g. with drum gripper



Storing and handling drums in Ex zones requires the right equipment. DENIOS has developed the new Secu Ex drum lifter for use in Ex zones based on the experience of our engineers and safety experts.

This means: maximum safety for the user in sensitive working areas and **ATEX conformity** as standard.

Design and function work together perfectly in the Secu Ex drum lifter. This makes it easy to use. The complete design of the Secu Ex is maintenance friendly.



All wheelbase options are available in either a short or a high version (see table for details) - short version: for example for loading pallets and Denios spill pallets - high version: for example for loading DENIOS spill pallets or loading drum racks.

Drum lifter Secu Ex with drum gripper

- For lifting and transporting 205 litre steel ribbed or clamping Ring drums
- The steel drum is automatically gripped at the upper edge of the drum and is securely held
- Drums can be easily raised using the foot pump, precise lowering with separate foot pedal
- Lifting height up to 1405 mm

Variants:

Narrow wheelbase - for inserting in Euro pallets and positioning under spill pallets

- 2 fixed castors and 2 swivel castors (with brakes and foot guard)

Wide wheelbase - to drive around Euro pallets and spill pallets

- 2 fixed castors and 2 swivel castors (with brakes and foot guard)

Splayed wheelbase – ideal for moving “over the corner” of spill pallets or moving over Euro pallets

- Angle adjustable to 2 positions
- 4 large swivel castors for easy transport and space-saving storage in narrow spaces



Secu Ex with drum gripper, short version with narrow wheelbase

Order no. 236-561-J1

Secu Ex with drum gripper, high version with wide wheelbase, Order no. 236-560-J1

Wheelbase	Narrow		Wide		Splayed	
Overall height [mm]	1635	2135	1635	2135	1755	2255
Lift height max [mm]*	905	1405	905	1405	905	1405
Lift height min [mm]	120	120	0	0	0	0
Use	Lifting / transporting steel drums					
Overall load capacity [kg]	300					
External dimensions W x D [mm]	1216 x 1233				1132 x 1290	
Order number	236-561-J1	236-562-J1	236-559-J1	236-560-J1	236-563-J1	236-564-J1

*Min/max lift height measured from the ground or Euro pallet to the lower edge of a 205 litre steel drum. May differ for other types of drum

The highest levels of functionality and safety



Drum lifter Secu EX with drum clamp SK.

Drum lifter Secu Ex with drum clamp

■ For lifting and transporting 205/220 litre steel and plastic drums

- The automatically closing drum gripper is quick to adjust - to ensure different sizes of drum are securely held
- Drums can be easily raised using the foot pump, precise lowering with separate foot pedal
- Lifting height up to 1320 mm

Variants:

Narrow wheelbase - for inserting in Euro pallets and positioning under spill pallets

- 2 fixed castors and 2 swivel castors (with brakes and foot guard)

Wide wheelbase - to drive around Euro pallets and spill pallets

- 2 fixed castors and 2 swivel castors (with brakes and foot guard)

Splayed wheelbase - ideal for moving "over the corner" of spill pallets or moving over Euro pallets

- Angle adjustable to 2 positions
- 4 large swivel castors for easy transport and space-saving storage in narrow spaces



Handwheel with scale and lock for easy adjustment to drum diameter

The splayed wheelbase can easily move over Euro pallets. Even a drum standing at the back can easily be reached.



Simple access over the CORNER of the spill pallet to reach drums placed at the sides

Wheelbase	Narrow		Wide		Splayed	
Overall height [mm]	1635	2135	1635	2135	1755	2255
Lift height max [mm]*	700	1200	700	1200	820	1320
Lift height min [mm]	120	120	0	0	0	0
Use	Lifting / transporting steel/plastic drums					
Overall load capacity [kg]	300					
External dimensions W x D [mm]	1216 x 1233				1132 x 1290	
Order number	236-567-J1	236-568-J1	236-565-J1	236-566-J1	236-569-J1	236-570-J1

*Min/max lift height measured from the ground or Euro pallet to the lower edge of a 205 litre steel drum. May differ for other types of drum

i All wheelbase options are available in either a short or a high version (see table for details) - short version: for example for loading pallets and DENIOS spill pallets - high version: for example for loading DENIOS spill pallets or loading drum racks.

Drum lifter Secu Ex with drum turner

- For lifting, transporting and turning 60 to 220 litre plastic I-ring and lidded drums and 60 to 205 litre steel ribbed and clamping Ring drums
- Rotation range: > 360°
- Gripper system with prism jaws and tension belt - drums of various types and sizes can be safely picked up and held
- For lifting, turning, mixing, regulated emptying
- Easy to operate gears with handwheel ensure the drum is precisely positioned when turning
- Drums can be easily raised using the foot pump, precise lowering with separate foot pedal
- Easily manoeuvrable with 2 swivel and 2 fixed castors (swivel castors with brake)
- Lifting height up to 1430 mm



Secu Ex drum turner, high version with wide wheelbase for moving around spill pallets, Order no. 236-572-J1



Ex-proof, easy to operate gears with handwheel

Secu Ex with drum turner, short version with narrow wheelbase - ideal for inserting into Euro pallets, Order no. 236-573-J1



Wheelbase	Narrow		Wide	
Overall height [mm]	1635	2135	1635	2135
Lift height max [mm]*	930	1430	930	1430
Lift height min [mm]	120	120	0	0
Use	Lifting / turning / transporting steel/plastic drums			
Overall load capacity [kg]	300			
External dimensions W x D [mm]	1216 x 1233			
Order number	236-573-J1	236-574-J1	236-571-J1	236-572-J1

*Min/max lift height measured from the ground or Euro pallet to the lower edge of a 205 litre steel drum. May differ for other types of drum

Drum lifter Secu Ex with drum turner is available with either a narrow or wide wheelbase and in either a short or high version.



Folding foot pedal and foot protection for optimal safety

Gas cylinder pallet

- For the storage and safe transport of gas cylinders
- Sturdy frame construction in hot dip galvanised steel
- Crane eyes on 2 sides
- Fold down bars prevent the cylinders from falling out
- Hooks at the sides for welding accessories, protective masks etc



Heating jackets for gas cylinders, also EX

See page
319



Gas cylinder transportation frame type GFT-S 4, for 4 cylinders



Gas cylinder transportation frame type GFT-S 8, for 8 cylinders

Model	Gft-s 4	Gft-s 8
Ø gas cylinder, max. [mm]	230	230
Storage capacity for 50 litre gas cylinders	4	8
External dimensions W x D x H [mm]	860 x 650 x 1110	860 x 1200 x 1100
Forklift pocket W x H [mm]	165 x 65	160 x 78
Distance between fork pockets [mm]	520	520
Overall load capacity [kg]	400	640
Order number	119-227-J1	119-228-J1

Transportable gas cylinders

- Pallet for the storage of empty and full gas cylinders
- Hot dip galvanised, sturdy steel construction
- Can be transported using a forklift or pallet truck
- Safe transport of gas cylinders of various sizes



Model	Gfp-50
Ø gas cylinder, max. [mm]	230
Storage capacity for gas cylinders	12
Design	For crane transport
External dimensions W x D x H [mm]	1030 x 805 x 1210
Overall load capacity [kg]	960
Order number	115-872-J1

Crane lifting gas cylinder pallet type GFP-50 for 12 gas cylinders, Ø 230 mm, with swivel link.

Gas cylinder trolley KM Ergo

- For the safe handling of gas cylinders



- Electrogalvanised, ergonomic gas cylinder trolley
- Makes it easy to change gas cylinders without straining your back
- Simple to use, no heavy lifting
- For 1 gas cylinder x 50 litres (max. Ø 235 mm)
- With securing strap, cylinder holder and safety chain
- Pneumatic tyres (Ø 260 mm)



Model	KM Ergo
Ø gas cylinder, max. [mm]	235
Storage capacity for gas cylinders	1
External dimensions W x D x H [mm]	600 x 600 x 1440
Overall load capacity [kg]	80
Wheel diameter [mm]	260
Order number	255-319-J1



All product details and benefits can be seen in our video!

» denios.shop/gb-255319

NEW

Order no. 255-319-J1

Gas cylinder trolley KM Ergo for 1 cylinder (max. Ø 235 mm)

Gas cylinder trolleys model GFR and model BK in steel

- For the safe transport of gas cylinders
- Sturdy, hot dip galvanised design

- Incl. Cylinder support and steel security chain



Order no. 115-205-J1

Steel gas cylinder trolley model GFR-1, solid rubber tyres, wheel Ø 200 mm

Order no. 115-201-J1

Steel gas cylinder trolley model GFR-1, pneumatic tyres, wheel Ø 200 mm



Order no. 115-243-J1

Steel gas cylinder trolley BK-60, rubber wheels, wheel Ø 200 mm

Order no. 115-246-J1

Steel gas cylinder trolley BK-60, pneumatic tyres, wheel Ø 200 mm (without safety chain)



Order no. 115-207-J1

Steel gas cylinder trolley model GFR-2, solid rubber tyres, wheel Ø 350 mm

Order no. 115-203-J1

Steel gas cylinder trolley model GFR-2, pneumatic tyres, wheel Ø 350 mm



Order no. 115-208-J1

Steel gas cylinder trolley model GFR-L, solid rubber tyres, wheel Ø 350 mm with one extra stabiliser

Order no. 115-204-J1

Steel gas cylinder trolley model GFR-L, pneumatic tyres, wheel Ø 350 mm with one extra stabiliser

Model	Gfr-1	Gfr-2
Ø gas cylinder, max. [mm]	250	250
Storage capacity for gas cylinders	1	2
External dimensions W x D x H [mm]	490 x 600 x 1250	770 x 600 x 1250
Overall load capacity [kg]	100	200
Order number Tyres: Solid rubber	115-205-J1	115-207-J1
Order number Tyres: Air	115-201-J1	115-203-J1

Model	Bk-60	Gfr-L
Ø gas cylinder, max. [mm]	340	250
Storage capacity for gas cylinders	1	2
External dimensions W x D x H [mm]	470 x 530 x 1160	770 x 770 x 1280
Overall load capacity [kg]	120	200
Order number Tyres: Solid rubber	115-243-J1	115-208-J1
Order number Tyres: Air	115-246-J1	115-204-J1
Accessories	Safety chain for 33 kg cylinder	
Order number	133-938-J1	—

Plastic gas cylinder trolley model GFW

- For the safe transport of 1 gas cylinder (max. Ø 320 mm)
- Sturdy design manufactured from environmentally friendly polyethylene (PE)
- Includes a belt to secure the cylinder in place
- Large base for security
- Solid rubber wheels, wheel – Ø 200 mm
- Load capacity: 80 kg



Gas cylinder trolley model GFW-1-S in polyethylene with support wheel, for 1 cylinder (max. Ø 320 mm), Order no. 156-435-J1



Gas cylinder trolley model GFW-1 in polyethylene, for 1 cylinder (max. Ø 320 mm)

Order no. 155-649-J1



Model	Gfw-1	Gfw-1-s
Ø gas cylinder, max. [mm]	320	320
Storage capacity for 33 kg gas cylinders	1	1
External dimensions W x D x H [mm]	495 x 627 x 1110	495 x 800 x 1110
Tyres	Solid rubber	Solid rubber
Overall load capacity [kg]	80	80
Order number	155-649-J1	156-435-J1

Plastic gas cylinder pallet model GFP

- Robust construction manufactured from environmentally friendly polyethylene (PE), very stable
- Includes a lashing strap to secure the cylinders and a safety chain to additionally attach to the lifting equipment



Model	Gfp-4	Gfp-6
Ø gas cylinder, max. [mm]	230	230
Storage capacity for 50 litre gas cylinders	4	6
External dimensions W x D x H [mm]	1120 x 600 x 1100	875 x 600 x 1090
Forklift pocket W x H [mm]	170 x 80	263 x 100
Distance between fork pockets [mm]	670	89
Overall load capacity [kg]	320	480
Order number	155-648-J1	187-304-J1



Gas cylinder pallet model GFP-4 in polyethylene, for 4 cylinders (max. Ø 230 mm), Order no. 155-648-J1



Gas cylinder pallet model GFP-6 in polyethylene, for 6 cylinders (max. Ø 230 mm), Order no. 187-304-J1

EXPERTISE

EXPERT ADVICE

SERVICE

DENSORB®

DENSORB ABSORBENT MATERIALS

Powerful absorbents for the containment and absorption of liquids

Are you equipped for an oil or chemical accident? Can you safely prevent the pollution of the environment due to the release of water-polluting liquids? How do you react to dripping machinery in order to prevent a risk to safety at work?

Avoid unnecessary costs and trouble!: protect yourself with DENSORB absorbent materials!

Even with smaller leaks there are risks involved; to the environment, to the workplace and to employees. Chemicals and oils which get into the sewage system, the ground or the ground water, cause costly contamination.

Legal regulations and environmental standards such as ISO14001 require responsible handling of hazardous liquids. The provision of absorbent materials to safely absorb escaped liquids is an important part of a responsible disaster recovery plan. We would be pleased to offer advice.

Advantages in summary

■ Best absorption capacity

DENSORB absorbent materials in polypropylene can safely absorb up to 16 times their own weight in oil, visibly faster than standard absorbent materials. The excellent capillary effect ensures even distribution of the absorbed fluid within the absorbent material, ensuring optimum use of the absorption capacity.

■ Highest quality

Thanks to high tear and abrasion resistance even when saturated, DENSORB absorbent materials are extremely long lasting and tough. The excellent adhesion between the surface of the fibres and the absorbed liquid prevents any liquid dripping out.

■ Careful preparation

Clean cut edges, consistent weight of the absorbent mats and easy separation thanks to accurate perforations ensure these products are easy to use.

■ Optimal safety

DENSORB absorbent materials pose no health hazards and contribute to a clean and safe workplace.

■ Save money when disposing of refuse

Thanks to their lower weight and high absorption capacity, DENSORB absorbent materials cost considerably less to dispose of than conventional absorbents.

Request a free sample of DENSORB

DENSORB starter set Universal

Test the various absorbent mat formats with our starter set.

Contents:

5 Economy Single absorbent mats 40 x 50 cm
5 Premium Triple absorbent mats 40 x 50 cm
2 absorbent cushions 25 x 25 cm
2 absorbent socks 120 x 7.5 cm

Order no. 157-222-J1

DENSORB sample set Universal

Discover for yourself the outstanding qualities of the fine-fibre absorbent mat! Please request our free sample set.

Contents:

1 Economy Single absorbent mat 40 x 50 cm
1 Economy Double absorbent mat 40 x 50 cm
1 Economy Triple absorbent mat 40 x 50 cm
1 Premium Triple absorbent mat 40 x 50 cm

Order no. 132-399-J1

DENIOS.
onlineshop



Don't search! Find!
With the absorbent
finder

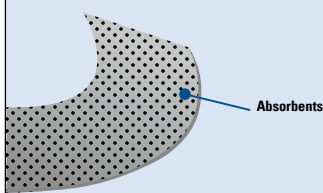
[www.denios.co.uk/
densorb](http://www.denios.co.uk/densorb)



DENSORB binding fleeces - really multi-layered!

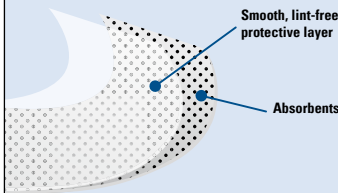
- For single, short term use in the event of a leak
- Open, highly absorbent fine fibre structure on both sides ensures quick absorption of any leaked liquids

DENSORB®
ECONOMY SINGLE



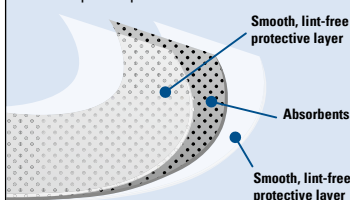
- For long life and high efficiency
- The strong additional layer of spin-bonded fabric on the upper side ensures high tear and abrasion resistance

DENSORB®
ECONOMY DOUBLE



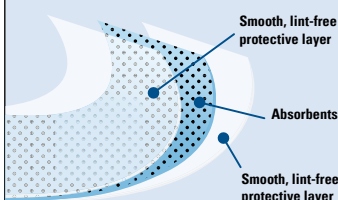
- For long term, demanding use
- Ideal for production, laboratories and other areas sensitive to contamination
- Tear and abrasion resistant protective layers ensure they can be walked or driven over
- Best price-performance ratio




DENSORB®
ECONOMY TRIPLE






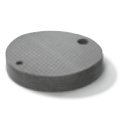


- Meets the highest requirements for cleanliness and long life
- Lint-free so ideal for sensitive applications and surfaces
- Tear and abrasion resistant protective layers ensure they can be walked or driven over

DENSORB®
PREMIUM TRIPLE



Application	UNIVERSAL 	OIL 	SPECIAL 
Property	Hydrophilic, absorbs almost all liquids, e.g. oils, coolants, lubricants, solvents, antifreezes, oil-water emulsions and other aqueous fluids as well as non-aggressive acids and alkalis.	Absorbs oil and repels water (hydrophobic). Oil is absorbed without even a drop of water being taken up. For oils, petrol, diesel, solvents, petroleum and all other hydrocarbon-based liquids.	Should be used with acids, alkalis, aggressive or unidentified liquids. The yellow warning colour highlights a potential hazard and allows the absorbed liquid to be clearly seen.
Use	Production, workshops, warehouses etc.	Outdoor stores, loading areas, water etc.	Laboratory, storage and processing of aggressive chemicals, etc.

						
Format	ROLLS	MATS	SOCKS	CUSHIONS	VARIOFORM	DRUM MATS
Property	Various widths, all perforated in the centre and cross-ways	Ideally sized, partially perforated in the centre	High absorption capacity, easy to shape	High absorption capacity, flexible	Universal application as rolls, mats, socks or cloths	Specially cut to fit 205 litre drums
Use	Floor coverage, larger surface areas, high volume use etc.	Maintenance, cleaning, repairs, leaks, workbench use etc.	For containment in the event of a leak, on faulty machinery or plant, etc.	Dispensing, leaks from pipes and connections etc.	Workshop equipment, service vehicles, laboratories etc.	When using pumps or funnels with a standing drum

Material thickness	— LIGHT	— HEAVY
Property	single material thickness	double material thickness
Use	for small leaks and drips	for large volumes of liquid



DENIOS.
ACADEMY

where experts grow

see page
402

EXPERTISE

EXPERT ADVICE

SERVICE

DENSORB®

RESISTANCE LIST FOR ABSORBENT MATERIALS

Chemical	OIL	UNIVERSAL	SPECIAL	Chemical	OIL	UNIVERSAL	SPECIAL	Chemical	OIL	UNIVERSAL	SPECIAL
Acetaldehyde		•	•	Dimethyl Sulfoxide	•	•	•	Methyl Ethyl Ketone	•	•	•
Acetic Acid			•	Diethyl Phthalate	•	•	•	Methyl Isobutyl Ketone	•	•	•
Acetone	•	•	•	Ether	•	•	•	Methyl Methacrylate	•	•	•
Acetyl Chloride		•	•	Ethyl Acetate	•	•	•	Methylene Bromide	•	•	•
Acrylic Acid			•	Ethyl Alcohol	•	•	•	Mineral Oil	•	•	•
Allyl Alcohol		•	•	Ethyl Benzene	•	•	•	Mineral Spirits	•	•	•
Aminobenzoic Acid			•	Ethyl Chloride	•	•	•	Monoethanolamine	•	•	•
Ammonia (Anhydrous)	•	•	•	Ethyl Ether	•	•	•	Morpholine	•	•	•
Ammonium Fluoride	•	•	•	Ethyl Propionate	•	•	•	Motor Oil	•	•	•
Ammonium Hydroxide	•	•	•	Ethylene Dichloride	•	•	•	Naphta	•	•	•
Amyl Alcohol		•	•	Ethylene Glycol		•	•	Naphtalene	•	•	•
Aniline		•	•	Formaldehyde			•	Nitric Acid		•	•
Aviation Fuel	•	•	•	Formic Acid			•	Nitromethane	•	•	•
Benzaldehyde	•	•	•	Freon	•	•	•	Octane	•	•	•
Benzene	•	•	•	Fuel Oil	•	•	•	Oleic Acid	•	•	•
Benzoic Acid	•	•	•	Furfural	•	•	•	Paraffin	•	•	•
Benzyl Alcohol		•	•	Gasoline	•	•	•	Perchloroethylene	•	•	•
Boric Acid			•	Gearbox Oil	•	•	•	Phenol		•	•
Brake Fluid	•	•	•	Glycerol		•	•	Phosphoric Acid			•
Bromine Inorganic	•	•	•	Hexane	•	•	•	Potassium Hydroxide		•	•
Butyl Acetate	•	•	•	Hydrazine		•	•	Propanol		•	•
Butyl Alcohol	•	•	•	Hydrochloric Acid		•	•	Propionic Acid	•	•	•
Butyl Cellosolve	•	•	•	Hydrofluoric Acid		•	•	Propyl Alcohol	•	•	•
Calcium Hydroxide		•	•	Hydroquinone	•	•	•	Propylene Glycol	•	•	•
Carbolic Acid			•	Hydrogen Cyanide	•	•	•	Resorcinol		•	•
Carbon Disulphide		•	•	Hydrogen Peroxide		•	•	Silicone Oil	•	•	•
Carbon Tetrachloride	•	•	•	Isoamyl Acetate	•	•	•	Silver Nitrate		•	•
Cellosolve Acetate	•	•	•	Isobutyl Alcohol	•	•	•	Sodium Bicarbonate		•	•
Cellosolve Solvent	•	•	•	Isooctane	•	•	•	Sodium Chloride		•	•
Chlorobenzene		•	•	Isopropyl Acetate	•	•	•	Sodium Hydroxide		•	•
Chloroform	•	•	•	Isopropyl Alcohol	•	•	•	Sodium Hypochloride		•	•
Chloronaphtalene	•	•	•	Kerosene	•	•	•	Sodium Nitrate		•	•
Chloroethene	•	•	•	Ketones	•	•	•	Styrene	•	•	•
Chromic Acid (50%)			•	Lioletic Acid			•	Sulphuric Acid		•	•
Citric Acid			•	Linseed Oil	•	•	•	Toluene	•	•	•
Cresol	•	•	•	Lubricating Oil	•	•	•	Transformer Oil	•	•	•
Cyclohexane	•	•	•	Methylamine	•	•	•	Trichloroethylene	•	•	•
Dibutyl Phthalate	•	•	•	Methyl Alcohol	•	•	•	Triethylene Glycol	•	•	•
Diethylamine	•	•	•	Methyl Cellulosolve	•	•	•	Turpentine	•	•	•
Diethyl Ether	•	•	•	Methyl Chloride	•	•	•	Xylene	•	•	•
Dimethyl Formamine	•	•	•	Methyl Ether	•	•	•				

Note:

This compatibility list applies to all polypropylene sorbents. The compatibility of DENSORB sorbents was tested for a variety of chemicals. Due to uncontrollable factors we can not guarantee 100% absorberency. For your safety we recommend the implementation of compatibility and testing of your chemicals with DENSORB sorbents before buying. If you have questions or need free samples, please call free at: **0800 178 0723**

DENIOS.
onlineshop



Do you want to know more about how to safely and effectively use absorbents at your facility? Do you need help choosing the right product?

www.denios.co.uk/absorbents



DENSORB new products

Emergency spill kit in red container

Mobile emergency spill kit for the immediate clearing of small and large leaks in production, warehouses and workshops as well as on transport routes.

- Filled to the brim with absorbent materials, utensils and personal protective equipment for an emergency.
- The eye-catching red colour of the container makes this leak set clearly visible in an emergency.
- Also suitable for outdoor use
- Ideal for quick transport to where they are needed



NEW

Contents: 100 mats 50 x 40 cm
7 socks 120 x 7.5 cm
10 cushions 25 x 25 cm
1 goggles with elastic strap
1 pair protective gloves
5 disposal bags

Contents: 200 mats 50 x 40 cm
22 socks 120 x 7.5 cm
12 cushions 25 x 25 cm
2 pairs goggles with elastic strap
2 pairs protective gloves
8 disposal bags

Contents: 400 mats 50 x 40 cm
4 socks 120 x 7.5 cm
4 socks 300 x 7.5 cm
15 cushions 25 x 25 cm
2 pairs goggles with elastic strap
2 pairs protective gloves
25 disposal bags

Model	B 12	B 12	B 12	B 24	B 24	B 24	B 36	B 36	B 36
Application - DENSORB	Oil	Universal	Special	Oil	Universal	Special	Oil	Universal	Special
Absorption capacity [l / pack]	115	115	115	238	238	238	415	415	415
External dimensions L x W x H [mm]	560 x 480 x 940	560 x 480 x 940	560 x 480 x 940	740 x 580 x 1070	740 x 580 x 1070	740 x 580 x 1070	860 x 625 x 1095	860 x 625 x 1095	860 x 625 x 1095
Mobile container colour	Red	Red	Red	Red	Red	Red	Red	Red	Red
Order number	270-382-J1	270-383-J1	270-384-J1	270-385-J1	270-386-J1	270-387-J1	270-388-J1	270-389-J1	270-390-J1
Accessories									
Order number Refill kit	157-367-J1	157-368-J1	157-369-J1	157-370-J1	157-371-J1	157-372-J1	267-669-J1	267-670-J1	267-671-J1

Mobile emergency spill kit in DENSORB Caddy Small

With transparent door for easy viewing of contents.

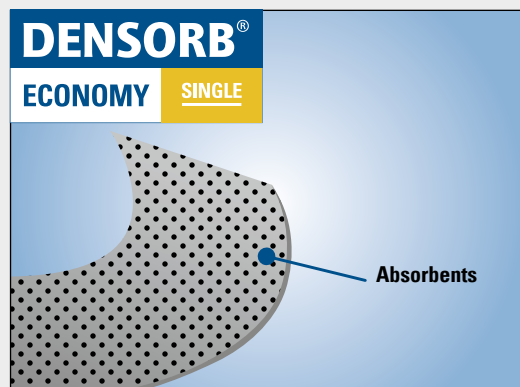
- Useful combination of high quality DENSORB absorbent materials and cleaning utensils.
- A special feature of the contents is the perforated absorbent mat roll, from which the required quantity can be individually torn off.
- Quick to use.
- With sturdy, solid rubber wheels to protect floors and ensure easy, quick manoeuvrability.
- Ergonomic handle optimises manoeuvrability.
- The comfortable handle allows locking using a padlock or seal, to protect the contents from unauthorised access.

Contents: 1 absorbent roll 20 m x 38 cm incl. spindle for mounting
8 absorbent socks 120 x 7.5 cm
2 absorbent cushions 25 x 25 cm
25 cloths 38 x 40 cm
1 goggles with elastic strap
1 pair protective gloves
5 disposal bags

Application - DENSORB	Oil	Universal	Special
Absorption capacity [l / pack]	55	55	55
External dimensions L x W x H [mm]	400 x 510 x 950	400 x 510 x 950	400 x 510 x 950
Order number	267-167-J1	267-168-J1	267-169-J1
Accessories			
Order number Refill kit	267-170-J1	267-171-J1	267-172-J1



NEW

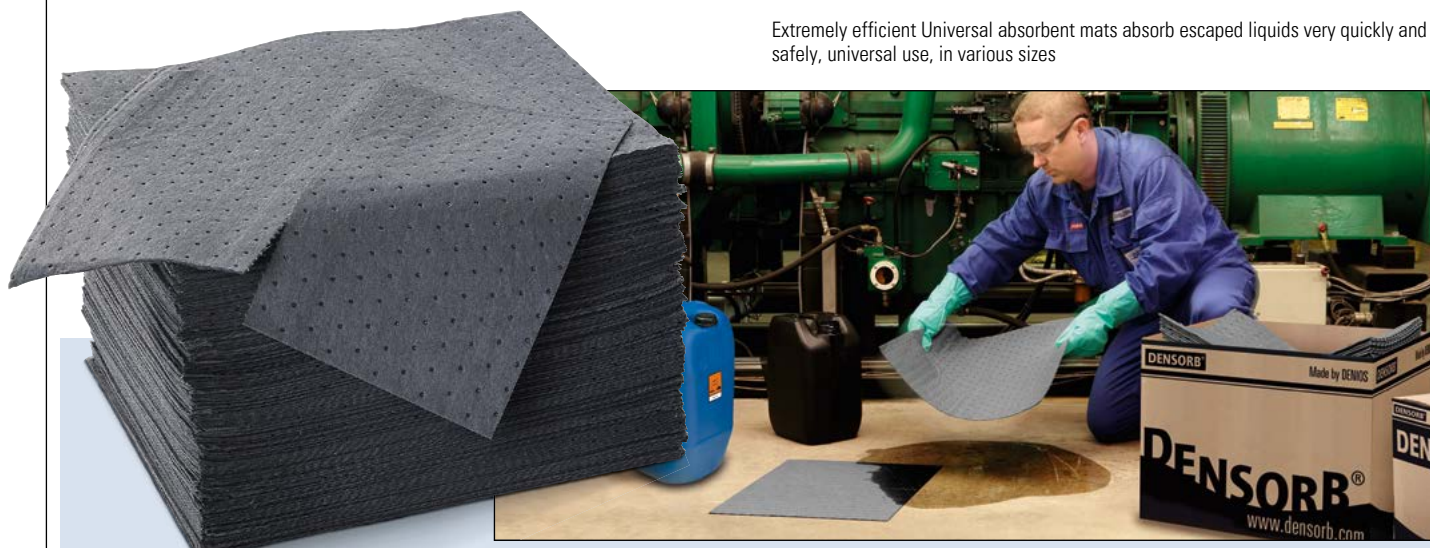

UNIVERSAL – for oils, coolants, lubricants, solvents and aqueous solutions


- **Extremely effective absorbent mats in polypropylene, with a porous fine fibre structure on both sides for quick absorption of leaked liquids**
- **For quick, easy use on leaks**
- Suitable for universal use in production and workshops
- Ideal for absorbing drips from machinery or for wiping down dirty surfaces or parts
- Best suited to use as an underlay for cleaning, repair and maintenance work
- The dark grey colour camouflages contamination, so the mat can remain in use for longer and still look good
- A special embossed surface ensures good stability and long life

Mats Universal ECONOMY SINGLE

The ideally sized mats are also perforated in the middle for economical use.

Extremely efficient Universal absorbent mats absorb escaped liquids very quickly and safely, universal use, in various sizes



Mats	Lightweight	Lightweight	Lightweight	Lightweight	Lightweight	Heavy-duty	Heavy-duty	Heavy-duty
External length [mm]	240	400	500	500	15000	500	500	800
Width, external [mm]	200	370	400	400	800	400	400	500
Perforation	No	No	Yes	Yes	No	Yes	Yes	No
Pack contents	200 Item(s)	200 Item(s)	100 Item(s)	200 Item(s)	10 Item(s)	50 Item(s)	100 Item(s)	50 Item(s)
Absorption capacity [l / pack]	38	118	80	160	48	62	124	124
Order number	175-581-J1	177-885-J1	207-920-J1	175-014-J1	180-856-J1	207-921-J1	175-015-J1	191-669-J1

Drum mats Universal economy

- Saves cleaning costs and increases safety
- Essential when using drum pumps and funnels
- Suitable for 205 litre drums
- Drum lid and floor surfaces remain clean
- Material thickness: Heavy
- Diameter: 560 mm
- Absorption capacity: 36 l/Pack



Order no. 173-865-J1

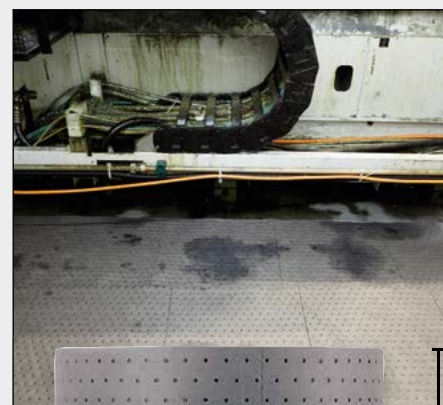
Pack = 25 Item(s)

Universal drum mats for absorbing drips when dispensing oils, solvents or weak chemicals

UNIVERSAL – for oils, coolants, lubricants, solvents and aqueous solutions



- Very low risk of dripping thanks to strong adhesion between the surface of the fibres and the absorbed liquid
- Excellent absorption capacity and high tear resistance



Rolls Universal ECONOMY SINGLE

Rolls are perforated longways and every 43 cm for easy separation.

- Rolls are ideal for soaking up leaks and spray
- Three different widths are available for numerous applications

BEST PRICE

Extremely efficient Universal absorbent mat rolls for quick use, ideal as an underlay for maintenance and repair work, universal use, width 38, 76 or 150 cm

Stands for absorbent rolls



See page
400

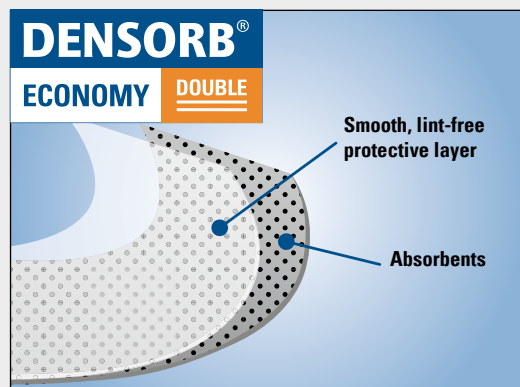


Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips

Rolls	Light-weight, narrow	Light-weight, narrow	Light-weight, wide	Light-weight, narrow	Light-weight, wide	Light-weight, extra wide	Heavy-duty, narrow	Heavy-duty, narrow	Heavy-duty, wide	Heavy-duty, wide
External length [m]	45	45	45	90	90	45	45	45	45	70
Width, external [mm]	380	380	760	380	760	1500	380	380	760	760
Pack contents	1 Roll(s)	2 Roll(s)	1 Roll(s)	2 Roll(s)	1 Roll(s)	1 Roll(s)	1 Roll(s)	2 Roll(s)	1 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	68	137	137	274	274	270	106	211	211	329
Order number	259-105-J1	173-862-J1	173-867-J1	173-858-J1	173-871-J1	178-453-J1	259-107-J1	173-857-J1	173-866-J1	259-104-J1



UNIVERSAL – for oils, coolants, lubricants, solvents and aqueous solutions

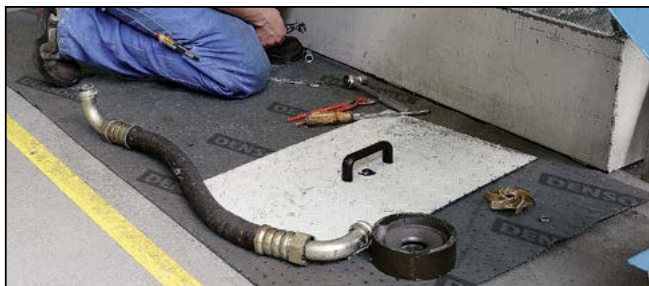


- **Highly absorbent mats in combination with a heavy duty, lint-free protective layer for long term use**
- The strong additional layer of spin-bonded fabric ensures high tear and abrasion resistance, even when fully saturated
- The protective layer allows targeted use:
 - first as an underlay for repair, cleaning and maintenance work or on worktables, where a smooth, lint-free surface is needed (protective layer upwards) or
 - second, to protect flooring or for use with a leaky machine, where quick absorption of the dripping liquid is needed (protective layer downwards).
- Suitable for universal use in production and workshops

Rolls Universal ECONOMY DOUBLE

Rolls are perforated in the middle and crossways for easy separation

- Extra wide rolls for covering large surface areas

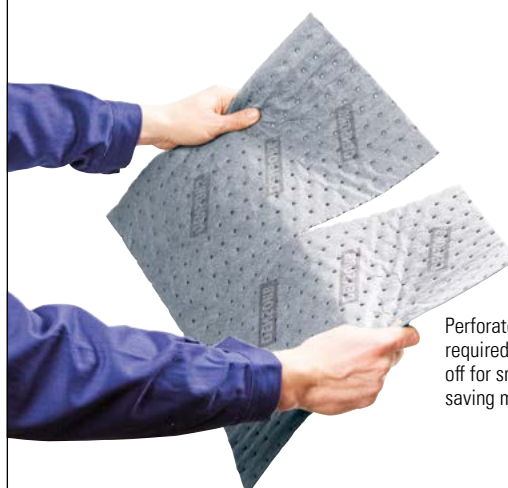


Rolls	Lightweight, narrow	Lightweight, wide	Heavy-duty, narrow	Heavy-duty, wide
External length [m]	90	90	45	45
Width, external [mm]	500	1000	500	1000
Pack contents	2 Roll(s)	1 Roll(s)	2 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	328	328	215	215
Order number	243-799-J1	243-800-J1	243-801-J1	243-802-J1

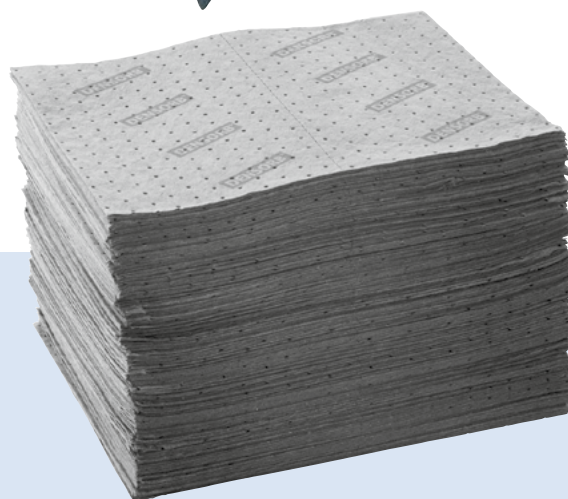
Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Mats Universal ECONOMY DOUBLE

- Supplied in a practical dispenser box for quick, efficient use



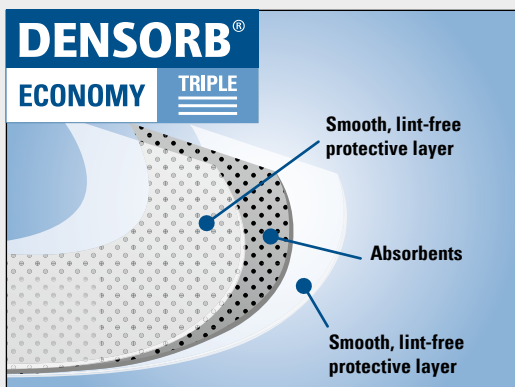
Perforated Mats allow the required amount to be torn off for small spills, thereby saving material



Mats	Lightweight	Heavy-duty
External length [mm]	500	500
Width, external [mm]	400	400
Pack contents	200 Item(s)	100 Item(s)
Absorption capacity [l / pack]	146	96
Order number	243-791-J1	243-798-J1

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips

UNIVERSAL – for oils, coolants, lubricants, solvents and aqueous solutions



- With a heavy duty, lint-free protective layer on the top and bottom
- High mechanical resistance ensures long life and allows driving and walking over the surface
- Ideal for protecting flooring or for long term use as underlay on workbenches and work surfaces
- Lint-free so ideal for sensitive applications and surfaces sensitive to dirt
- Also suitable for wiping rough and sharp-edged surfaces
- Both sides of the absorbent mat are strengthened with sturdy spun-bonded fabric to ensure high levels of tear and abrasion resistance
- No fibre residues on the bottom, even when the fleece is completely saturated

Rolls Universal ECONOMY TRIPLE

Rolls are perforated in the middle and crossways for easy separation



Stands for absorbent rolls

See page 400



Rolls	Lightweight, narrow	Lightweight, wide	Heavy-duty, narrow	Heavy-duty, wide
External length [m]	45	45	45	45
Width, external [mm]	380	760	380	760
Pack contents	1 Roll(s)	1 Roll(s)	1 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	60	120	85	170
Order number	248-907-J1	248-908-J1	248-909-J1	248-910-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Mats Universal ECONOMY TRIPLE

The ideally sized mats are perforated in the middle for economical use

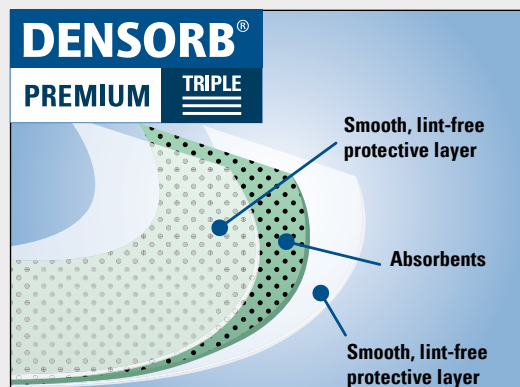


Mats	Lightweight	Heavy-duty
External length [mm]	500	500
Width, external [mm]	400	400
Pack contents	100 Item(s)	100 Item(s)
Absorption capacity [l / pack]	70	100
Order number	248-913-J1	248-914-J1

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips



UNIVERSAL – for oils, coolants, lubricants, solvents and aqueous solutions



■ **Effective absorbent mats with heavy duty, lint-free protective layers on both sides for excellent cleanliness, life, tear and abrasion resistance**

- High mechanical resistance ensures long life and allows driving and walking over the surface
- Lint-free so ideal for sensitive surfaces, also suitable for wiping sharp-edged surfaces
- Ideal for protecting flooring or for use as underlay on workbenches and work surfaces
- No fibre residues on the bottom, even when the fleece is saturated
- Suitable for universal use in production and workshops
- The light colour easily shows up the fluid absorbed

Rolls Universal PREMIUM TRIPLE

Rolls are perforated in the middle and crossways for easy separation

- Extra wide rolls for covering large surface areas



Rolls	Lightweight, narrow	Lightweight, wide	Heavy-duty, narrow	Heavy-duty, wide
External length [m]	90	90	45	45
Width, external [mm]	500	1000	500	1000
Pack contents	2 Roll(s)	1 Roll(s)	2 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	363	363	226	226
Order number	219-430-J1	219-431-J1	219-432-J1	219-433-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Mats Universal PREMIUM TRIPLE

The ideally sized mats are perforated in the middle for economical use

Supplied in a practical dispenser box for quick, efficient use



PREMIUM PRODUCT



Mats	Lightweight	Heavy-duty
External length [mm]	500	500
Width, external [mm]	400	400
Pack contents	200 Item(s)	100 Item(s)
Absorption capacity [l / pack]	161	101
Order number	219-426-J1	219-427-J1

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips

UNIVERSAL – for oils, coolants, lubricants, solvents and aqueous solutions



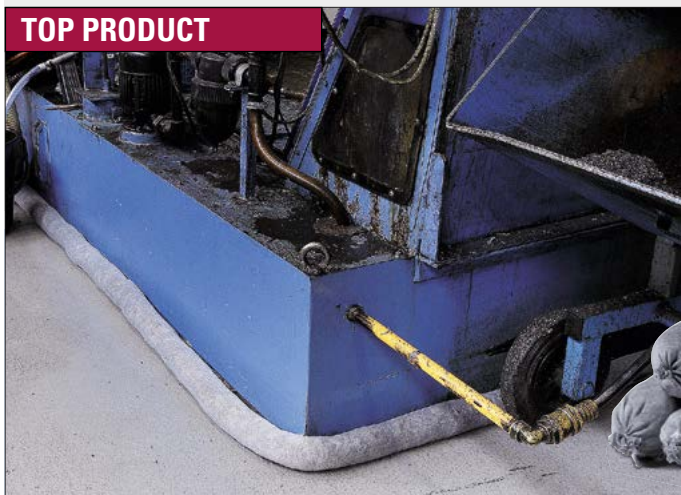
Absorbent materials with a high absorption capacity

A special polypropylene filling ensures excellent absorption capacity.

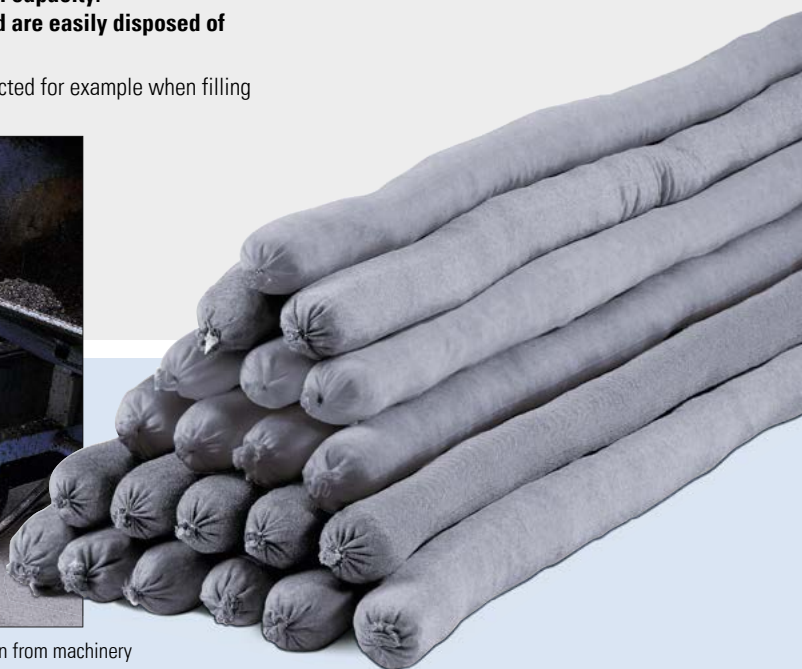
Fluids which have been absorbed are reliably contained and are easily disposed of

- Suitable for Universal use in production and workshops
- Perfect for long term use anywhere where drips need to be collected for example when filling

TOP PRODUCT



Universal absorbent socks offer continuous protection against contamination from machinery



Universal absorbent socks

The design of our absorbent socks are an ideal shape for containing leaks

- An especially flexible shape with a stretchy outer ensures limitless possibilities for use, even in places which are difficult to reach

Absorbent sock for cutting to length

- Depending on your needs, the 20 m long sock can be cut to the required length.
- Supplied as standard: 10 cable ties for tying off the sock

Absorbent sock for cutting to length, Order no. 263-307-J1

Ø x L [mm]	75 x 1200	75 x 1800	75 x 3000	75 x 5000	75 x 20000
Pack contents	20 Item(s)	12 Item(s)	4 Item(s)	4 Item(s)	1 Item(s)
Absorption capacity [l / pack]	53	47	25	53	56
Order number	123-138-J1	123-139-J1	123-140-J1	258-259-J1	263-307-J1

Universal absorbent cushions

- For collecting dripping fluids under pipes, valves, hydraulic lines, flanges, connections and drum taps
- Ideal for long term use, for example when dispensing

- An especially flexible shape ensures many possibilities for use, even in places which are difficult to reach.



External dimensions L x W [mm]	250 x 250	460 x 460
Pack contents	30 Item(s)	16 Item(s)
Absorption capacity [l / pack]	49	85
Order number	123-134-J1	123-135-J1

Cushions in trays, pack = 12 cushions with 6 trays

- Ideal for emergency containment, for example under leaking equipment or containers
- The tray also protects the floor and if needed collects larger quantities of fluid
- The absorbent mats prevent fluid spray and make disposal easier

- Dimensions L x W x H [mm]: 300 x 300 x 80
- Absorption capacity [l/unit]: 27

SET PRICE

Order no.
123-130-J1





UNIVERSAL – for oils, coolants, lubricants, solvents and aqueous solutions

Camouflage absorbent rolls and mats

The camouflage design hides stains and dirt ensuring a long life

- With a strong top layer, can be used as a floor mat even in heavy duty areas
- Avoid accidents and cleaning costs
- Very low risk of dripping thanks to strong adhesion between the surface of the fibres and the absorbed liquid



The upper camouflage layer consists of an extremely robust material which withstands intensive use



A fresh oil spot

is soaked up immediately by the Camouflage absorbent material and after a short time is no longer visible



Stands for absorbent rolls

See page
400



Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Design	Rolls, narrow	Roll, wide	Roll, extra wide	Mats	Mats, wide
External length [m]	45.0	45.0	45.0	0.8	2.0
Width, external [mm]	380	760	1500	500	780
Pack contents	2 Roll(s)	1 Roll(s)	1 Roll(s)	50 Item(s)	10 Item(s)
Absorption capacity [l / pack]	187	187	387	110	85
Order number	163-792-J1	163-777-J1	181-593-J1	196-540-J1	268-662-J1

UNIVERSAL – for oils, coolants, lubricants, solvents and aqueous solutions

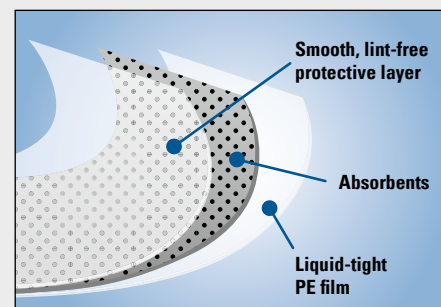


Absorbent rolls and mats with liquid-tight PE film

The liquid-tight PE film on the underside of the absorbent fleece prevents seepage of dripping or spilled liquids. This keeps floors, workbenches and other surfaces clean and non-slip.

A robust, lint-free protective layer on the top of the fleece makes these rolls and mats particularly hard-wearing allowing them to be walked on or driven over.

- Especially thick material (heavy) for highest absorption capacity and tear resistance
- Ideal for long term use
- Suitable for universal use in production, stores and workshops



NEU



Design	Rolls, narrow	Roll, wide	Mats
External length [m]	40.0	40.0	0.4
Width, external [mm]	400	800	400
Pack contents	2 Roll(s)	1 Roll(s)	100 Item(s)
Absorption capacity [l / pack]	125	125	62
Order number	273-341-J1	273-342-J1	273-340-J1

EcoSorb absorbent rolls and mats

- Quickly absorbs all non-aggressive liquids
- Environmentally-friendly absorbent mats with an absorbent, recycled cellulose core
- Lint free and sturdy with reinforcement layer on both sides
- The absorbent cellulose makes it especially suited to absorbing aqueous solutions
- The grey colour hides dirt and ensures a longer life
- Tear resistant even when saturated
- Rolls are excellent for covering large surface areas



Design	Mats	Roll
External length [m]	0.48	38.00
Width, external [mm]	380	720
Pack contents	100 Item(s)	1 Roll(s)
Absorption capacity [l / pack]	110	163
Order number	201-675-J1	201-676-J1

- Suitable for gangways and driveways
- Especially economical with a very high absorption capacity
- Rolls are perforated in the middle and crossways for easy separation
- The ideally sized mats are also perforated in the middle for economical use.



EcoSorb rolls are ideally suited to protecting larger areas



In the event of unexpected leaks the mats can also be used for soaking up escaped oil

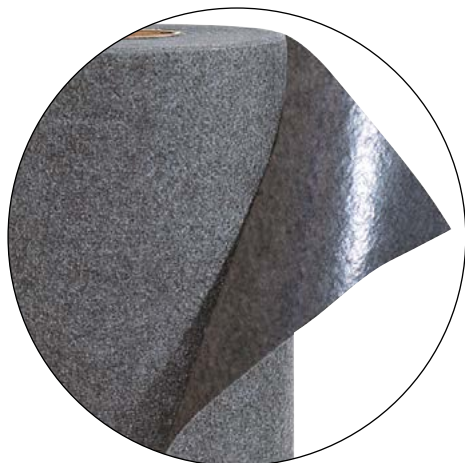


UNIVERSAL – for oils, coolants, lubricants, solvents and aqueous solutions

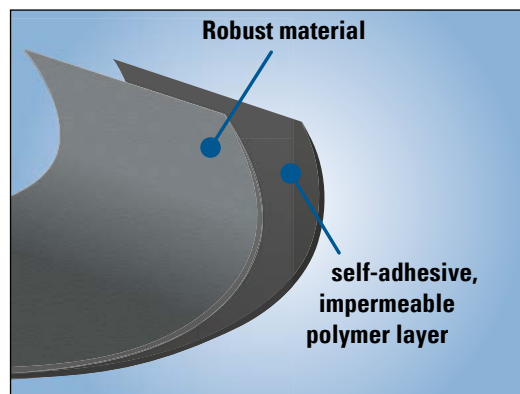
Absorbent runner mats and rolls

- Avoid accidents and cleaning costs
- Reliably absorb practically all liquids and retain them
- Contamination, such as traces of oil, are not carried over to other areas

- Footpaths and roadways stay clean and non-slip
- The colour disguises any contamination
- Fatigue from long periods of standing is significantly reduced.
- Also suitable for heavy duty use such as forklift traffic
- Fatigue from long periods of standing is significantly reduced



Non-woven roll „Professional SH PE“



The self-adhesive PE film on the bottom prevents the absorbed liquid from seeping through and keeps the floor clean.

Ground protection castors "Professional SH PE"

The self-adhesive, liquid-tight underside prevents the fleece from creasing or slipping. For maximum safety.

- The highly absorbent upper surface ensures safe, non-slip standing even when heavily contaminated.
- Even dust is trapped in the open-pored surface fibres.
- The self-adhesive foil on the underside ensures that the mat can be easily used on uneven floors and even on steps without creasing.
- Ideal for use on workbenches and around machinery.
- The fleece can be removed without leaving a residue after use.
- Also suitable for heavy duty use such as forklift traffic
- Heavy duty, lint-free and especially long life thanks to high abrasion resistance
- Solvent resistant



NEW

Order no. 265-655-J1

Model	Professional with self-adhesive PE foil - Light	
Design	Narrow	Wide
External length [m]	15	30
Width, external [mm]	800	1000
Pack contents	Roll(s)	Roll(s)
Absorption capacity [l / pack]	20	50
Order number	265-655-J1	268-019-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

UNIVERSAL – for oils, coolants, lubricants, solvents and aqueous solutions



"Extra" ground protection castors

- Also suitable for heavy duty use such as forklift traffic
- Heavy duty, lint-free and especially long life thanks to high abrasion resistance
- Solvent resistant



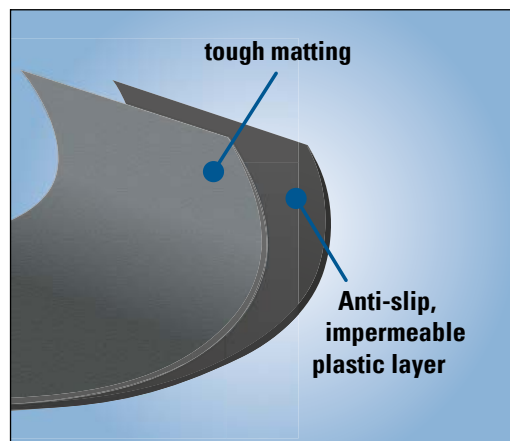
„Extra“ non-woven roll

Design	Extra - light	Extra - heavy	Extra PE with anti-slip PE foil - Light
External length [m]	100	50	30
Width, external [mm]	1000	1000	1000
Pack contents	1 Roll(s)	1 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	200	150	50
Order number	129-633-J1	129-634-J1	129-635-J1

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips



„Extra - PE“ non-woven roll



„Extra - PE“ non-woven roll



The "Extra PE" non-woven roll with non-slip PE coating on the underside can even be driven over with a forklift.

Stands for absorbent rolls

See page 400



"Classic" mats and rolls

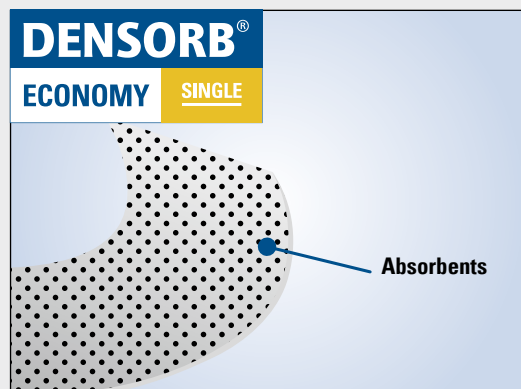
- Especially absorbent
- In contrast to products in pure synthetic fibres, this material also absorbs aqueous solutions quickly and effectively
- Made from recycled fibres, solvent resistant
- Good abrasion resistance, suitable for normal use



Design	Classic, mats	Classic, rolls	
External length [m]	0.50	50.00	50.00
Width, external [mm]	500	500	1000
Pack contents	50 Item(s)	1 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	38	75	150
Order number	123-093-J1	129-630-J1	129-632-J1



OIL – for oils, fuels and hydrocarbons, hydrophobic



- Extremely effective absorbent mats in polypropylene, with a porous fine fibre structure on both sides for quick absorption of leaked liquids
- For quick, easy use on leaks
- Ideally suited to removing oil or fuel spills from the surface of water

Mats Oil ECONOMY SINGLE

Practical down to the last detail:
Absorbent mats (500 x 400 mm) are perforated in the middle.
This enables you to easily tear off the amount required and
use only as much of the material as you need.



Extremely efficient Oil absorbent mats absorb escaped liquids very quickly and safely, also for use on water, in various sizes



Design	Lightweight	Lightweight	Lightweight	Lightweight - without perforation	Heavy-duty	Heavy-duty
External length [mm]	400	500	500	500	500	500
Width, external [mm]	370	400	400	400	400	400
Perforation	No	Yes	Yes	No	Yes	Yes
Pack contents	200 Item(s)	100 Item(s)	200 Item(s)	100 Item(s)	50 Item(s)	100 Item(s)
Absorption capacity [l / pack]	118	80	160	96	62	124
Order number	177-881-J1	207-923-J1	175-018-J1	189-447-J1	207-922-J1	175-016-J1

OIL – for oils, fuels and hydrocarbons, hydrophobic



- Tear resistant and can float on water even when saturated
- Ideally suited to outdoor use, even in rain, thanks to water-repellent properties
- Ideal to lay under machinery or for wiping down dirty surfaces or parts
- The white colour helps identification of saturation level
- High quality polypropylene fibres guarantee high tear and abrasion resistance



Don't search! Find! With the absorbent finder

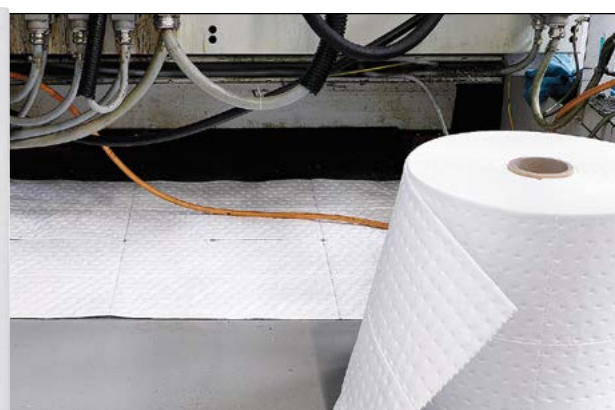
» www.denios.co.uk/densorb

Rolls Oil ECONOMY SINGLE

Rolls are perforated longways and every 43 cm for easy separation.

- Rolls are ideal for covering large surface areas.
- Three different widths are available for numerous applications

BESTSELLER



Extremely efficient Oil absorbent mat rolls for simple use, ideal as an underlay under dripping machinery, water-repellent, width 38, 76 or 150 cm

Stands for absorbent rolls

See page
400



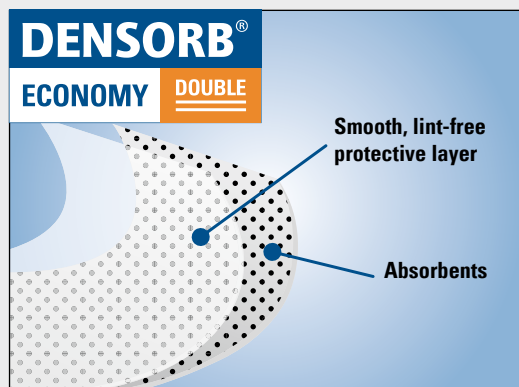
Design	Lightweight, narrow	Lightweight, narrow	Lightweight, wide	Lightweight, narrow	Lightweight, wide	Lightweight, extra wide	Heavy-duty, narrow	Heavy-duty, narrow	Heavy-duty, wide	Heavy-duty, wide
External length [m]	45	45	45	90	90	45	45	45	45	70
Width, external [mm]	380	380	760	380	760	1500	380	380	760	760
Pack contents	1 Roll(s)	2 Roll(s)	1 Roll(s)	2 Roll(s)	1 Roll(s)	1 Roll(s)	1 Roll(s)	2 Roll(s)	1 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	68	137	137	274	274	270	106	211	211	329
Order number	259-109-J1	173-859-J1	173-868-J1	173-863-J1	173-872-J1	178-454-J1	259-110-J1	173-860-J1	173-869-J1	259-108-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips



OIL – for oils, fuels and hydrocarbons, hydrophobic



- **Highly absorbent mats in combination with a heavy duty, lint-free protective layer for long term use**
- The strong additional layer of spin-bonded fabric ensures high tear and abrasion resistance, even when fully saturated
- The protective layer allows targeted use:
 - first as an underlay for repair, cleaning and maintenance work or on worktables, where a smooth, lint-free surface is needed (protective layer upwards)
 - second, to protect flooring or for use with a leaky machine, where quick absorption of the dripping liquid is needed (protective layer downwards)
- Ideally suited to outdoor use, even in rain, thanks to water-repellent properties
- Tear resistant and can float on water even when saturated

Mats Oil ECONOMY DOUBLE

The ideally sized mats are perforated in the middle for economical use

Mats are protected in the practical dispenser box and are easy to access as needed



Mats	Lightweight	Heavy-duty
External length [mm]	500	500
Width, external [mm]	400	400
Pack contents	200 Item(s)	100 Item(s)
Absorption capacity [l / pack]	146	96
Order number	243-805-J1	243-806-J1

Rolls Oil ECONOMY DOUBLE

Rolls are perforated in the middle and crossways for easy separation

- Extra wide rolls for covering large surface areas

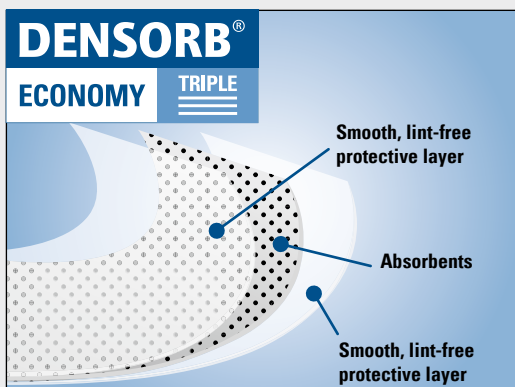


Rolls	Lightweight, narrow	Lightweight, wide	Heavy-duty, narrow	Heavy-duty, wide
External length [m]	90	90	45	45
Width, external [mm]	500	1000	500	1000
Pack contents	2 Roll(s)	1 Roll(s)	2 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	328	328	215	215
Order number	243-808-J1	243-809-J1	243-810-J1	243-811-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips

OIL – for oils, fuels and hydrocarbons, hydrophobic



- Effective absorbent mats with heavy duty, lint-free protective layers on both sides for excellent cleanliness, life, tear and abrasion resistance
- High mechanical resistance ensures long life and allows driving and walking over the surface
- Ideal for protecting flooring or for use as underlay on workbenches and work surfaces
- Lint-free so ideal for sensitive applications and dirt-sensitive areas, also suitable for wiping rough and sharp-edged surfaces
- No fibre residues on the bottom, even when the fleece is completely saturated
- Very low risk of dripping thanks to strong adhesion between the surface of the fibres and the absorbed liquid
- Ideally suited to outdoor use, even in rain, thanks to water-repellent properties
- The white colour helps identification of saturation level
- Tear resistant and can float on water even when saturated

Mats Oil ECONOMY TRIPLE

The ideally sized mats are perforated in the middle for economical use



Mats	Lightweight	Heavy-duty
External length [mm]	500	500
Width, external [mm]	400	400
Pack contents	100 Item(s)	100 Item(s)
Absorption capacity [l / pack]	70	100
Order number	248-911-J1	248-912-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Rolls Oil ECONOMY TRIPLE

Rolls are perforated in the middle and crossways for easy separation



Stands for absorbent rolls

See page 400

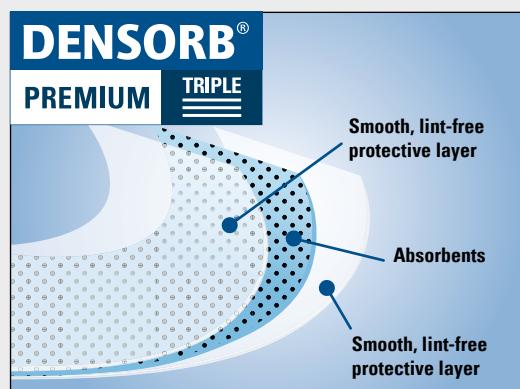


Rolls	Lightweight, narrow	Lightweight, wide	Heavy-duty, narrow	Heavy-duty, wide
External length [m]	45	45	45	45
Width, external [mm]	380	760	380	760
Pack contents	1 Roll(s)	1 Roll(s)	1 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	60	120	85	170
Order number	248-903-J1	248-904-J1	248-905-J1	248-906-J1

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips



OIL – for oils, fuels and hydrocarbons, hydrophobic



- Effective absorbent mats with heavy duty, lint-free protective layers on both sides for excellent cleanliness, life, tear and abrasion resistance
- Lint-free so ideal for sensitive surfaces, also suitable for wiping sharp-edged surfaces
- High mechanical resistance ensures long life and allows driving and walking over the surface
- Ideal for protecting flooring or for use as underlay on workbenches and work surfaces
- No fibre residues on the bottom, even when the fleece is completely saturated
- Very low risk of dripping thanks to strong adhesion between the surface of the fibres and the absorbed liquid

Mats Oil PREMIUM TRIPLE

The ideally sized mats are perforated in the middle for economical use

- Supplied in a practical dispenser box for quick, efficient use

DENSORB oil premium Mats, 50 x 40 cm, are ideal for long lasting use



Mats	Lightweight	Heavy-duty
External length [mm]	500	500
Width, external [mm]	400	400
Pack contents	200 Item(s)	100 Item(s)
Absorption capacity [l / pack]	161	101
Order number	219-428-J1	219-429-J1

Rolls Oil PREMIUM TRIPLE

Rolls are perforated in the middle and crossways for easy separation

- Extra wide rolls for covering large surface areas



Rolls	Lightweight, narrow	Lightweight, wide	Heavy-duty, narrow	Heavy-duty, wide
External length [m]	90	90	45	45
Width, external [mm]	500	1000	500	1000
Pack contents	2 Roll(s)	1 Roll(s)	2 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	363	363	226	226
Order number	219-434-J1	219-435-J1	219-436-J1	219-437-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips

OIL – for oils, fuels and hydrocarbons, hydrophobic



Absorbent materials with a high absorption capacity

- A special polypropylene filling ensures excellent absorption capacity.
- Fluids which have been absorbed are reliably contained and are easily disposed of
- Ideally suited to use outdoors, even in rain thanks to water-repellent design

- Perfect for long term use anywhere where drips need to be collected, for example under leaky machinery or when dispensing
- Can float on water even when saturated



Oil absorbent socks

- The design of our absorbent socks are an ideal shape for containing leaks
- An especially flexible shape with a stretchy outer ensures limitless possibilities for use, even in places which are difficult to reach

Ø x L [mm]	75 x 1200	75 x 1800	75 x 3000	75 x 5000	75 x 20000
Pack contents	20 Item(s)	12 Item(s)	4 Item(s)	4 Item(s)	1 Item(s)
Absorption capacity [l / pack]	53	47	25	53	56
Order number	123-145-J1	123-147-J1	123-148-J1	265-653-J1	263-308-J1

Socks for the restriction of oil spillages and absorption of oil

Oil absorbent cushions

- For collecting dripping fluids under pipes, valves, hydraulic lines, flanges, connections and drum taps
- Ideal for long term use, for example when dispensing
- An especially flexible shape ensures many possibilities for use, even in places which are difficult to reach.

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991



Cushions for collecting dripping oil from machinery

External dimensions L x W [mm]	250 x 250	460 x 460
Pack contents	30 Item(s)	16 Item(s)
Absorption capacity [l / pack]	49	85
Order number	123-132-J1	123-133-J1



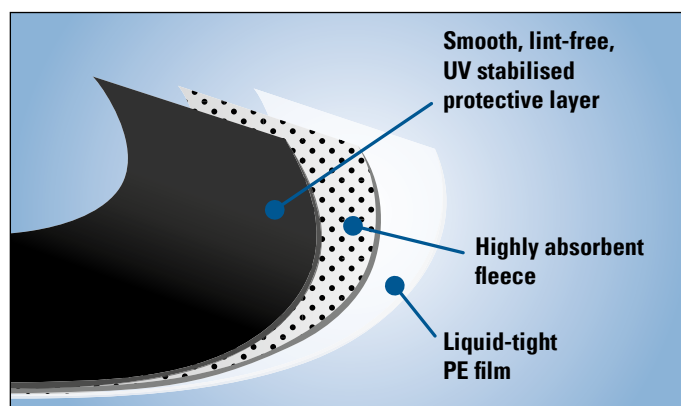
OIL – for oils, fuels and hydrocarbons, hydrophobic

Long life outdoor rolls

Especially sturdy and strong absorbent mats for use outdoors to protect floors from leaking oil, fuel and other oil-based liquids.

- Consist of three layers:
 1. UV resistant, heavy duty fleece layer on the top for long life.
 2. Absorbent, soft fleece with a high material strength for quick absorption of the liquid.
 3. Ant-slip plastic layer on the underside prevents absorbed liquids seeping through.
- Roll width is suitable for railway lines
- The tear-resistant surface allows walking and driving.
- Ideal for repair and maintenance work outdoors
- Ideal for long term use

NEW



Use on railway lines: the wide roll fits snugly between the rails. Side areas are protected with the narrow roll.



Use as underlay for protecting the floor: the outdoor mats absorb oil but not water.



Liquid-impermeable underside offers extra security: ideal if the surface is to be protected from liquids seeping through

Design	Narrow	Wide
External length [m]	24	24
Width, external [m]	0.45	1.45
Pack contents	2 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	106	170
Order number	267-665-J1	267-664-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

OIL – for oils, fuels and hydrocarbons, hydrophobic



Absorbent oil barriers

DENSORB Oil barriers are water repellent and float on the surface of standing and slow flowing water. They even float when fully saturated.

- For quick containment and removal of oil and fuel spills from the surface of water
- Suitable for ponds, lakes, rivers and harbours etc
- The especially stable design prevents damage when retrieving the barriers
- Reliable absorption of engine oil, diesel, heating oil, cutting oil, vegetable oil, oil-based solvents etc and more
- The colour helps identification of saturation level
- Sound design with strong netting and robust inner sock, filled with highly absorbent polypropylene fleece
- With retrieval rope and simple-to-use carabiners and eyes to connect barriers together



DENSORB oil barriers (here: 6 M sections) for containing and absorbing oil spills on water

DENSORB absorbent materials for use on the surface of water

Practical spring clips allow the individual segments to be quickly overlapped and connected to create an oil containment barrier of the required length

Ø x L [mm]	130 x 3000	180 x 3000	180 x 6000
Pack contents	4 Item(s)	4 Item(s)	2 Item(s)
Absorption capacity [l / pack]	123	316	316
Order number	128-555-J1	128-553-J1	181-568-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991



OIL – for oils, fuels and hydrocarbons, hydrophobic

Oil barriers for the safe, effective containment and retention of oils, petrol, diesel and other hydrocarbons on open, standing and flowing water.

DENSORB oil barriers are available in various sizes and a range of technical versions for different applications. Choose the right type of oil barrier for your needs here.

Choose the length of your oil barrier depending on the width of the river and the flow rate. The indicated lengths are theoretical guide values.

	AERO		ECOLINE				Oil barrier combination	PROFESSIONAL set
	350	600	250	400	450	500		
Stream			✓					✓
Water treatment plant	✓		✓	✓			✓	✓
Medium river	✓			✓	✓			✓
Canal	✓	✓		✓	✓	✓	✓	✓
Lake	✓	✓		✓	✓	✓	✓	✓
Large river	✓	✓			✓	✓		
Harbour	✓	✓			✓	✓	✓	
Shore protected		✓				✓		

River width in m	Flow rate in m/s			
	0 - 0,5	0,5 - 1,0	1,0 - 1,5	1,5 - 2,0
5	10 m	10 m	15 m	20 m
10	15 m	20 m	30 m	40 m
15	25 m	30 m	45 m	60 m
20	30 m	40 m	60 m	80 m
25	40 m	50 m	75 m	100 m
30	45 m	60 m	90 m	120 m
35	55 m	70 m	105 m	140 m
40	60 m	80 m	120 m	160 m
45	70 m	90 m	135 m	180 m
50	75 m	100 m	150 m	200 m
55	85 m	110 m	165 m	220 m
60	90 m	120 m	180 m	240 m
65	100 m	130 m	195 m	260 m
70	105 m	140 m	210 m	280 m



Do you have any questions about choosing the right oil barrier? Or would you like a customised quote? Get in touch - we'd be pleased to help: 01952700572!

DENIOS offers various containers for the transport and storage of DENSORB oil barriers. Choose between PG8, PG 10, PG 12 and PG16 cages or UB400 universal containers.

	AERO 350L	AERO 600L	ECOLINE 250	ECOLINE 400	ECOLINE 450	ECOLINE 500	Oil barrier combination.	PROFESSIONAL set	AERO mounting kit ground anchor	AERO mounting kit magnet
PG8	50 m	50 m	20 m	20 m	10 m	10 m	30 m	10 m	–	–
PG10	60 m	50 m	30 m	20 m	20 m	20 m	40 m	–	–	–
PG12	100 m	50 m	40 m	20 m	20 m	20 m	50 m	–	–	–
PG16	150 m	100 m	60 m	30 m	30 m	30 m	60 m	–	–	–
UB 400	–	–	20 m	10 m	10 m	10 m	30 m	10 m	1 set	1 set



Oil barrier combination.

Oil barrier combination of submerged guard and four DENSORB oil barriers

- Combination of oil barriers with an absorption action and reusable plastic submerged guards
- The submerged guard acts as a barrier, directing the liquid floating on the water to the oil barrier
- Any number of barriers can be connected thanks to the simple coupling system with Velcro fasteners.
- Suitable for slow flowing water, lakes, harbours and protected coastal areas
- Warning colour for good visibility even in bad weather conditions
- The combination is 12 M long, 30 cm high and has an 18 cm submerged depth
- With clasps for securing the barriers to the submerged guard and carabiners for combining several barriers



Design	Oil barrier combination of submerged guard and four DENSORB oil barriers
Width, external [mm]	300
Order number	215-814-J1
Accessories	Refill kit for DENSORB oil barriers 300 x 13 cm
Pack contents	4 Item(s)
Order number	128-555-J1

OIL – for oils, fuels and hydrocarbons, hydrophobic



Ecoline oil barrier

NEW

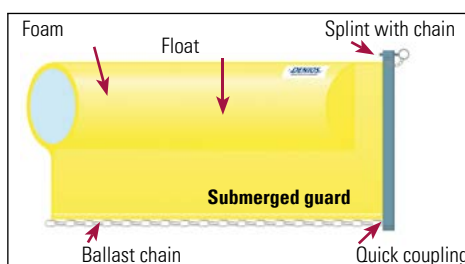
- Quick-to-use oil barriers for temporary use, e.g. after oil spills on water or for preventing incidents during construction work.
- Sturdy, liquid-tight, welded special material with internal floats.
- Flexible and reusable.
- The system components (barrier, distribution piece and end piece) can be connected to each other by means of integrated and easy-to-operate aluminium quick couplings. Any number of barriers can be joined together as required.
- Warning colour for good visibility even in bad weather conditions
- Submerged guards with external ballast chains in galvanised steel prevent washout.



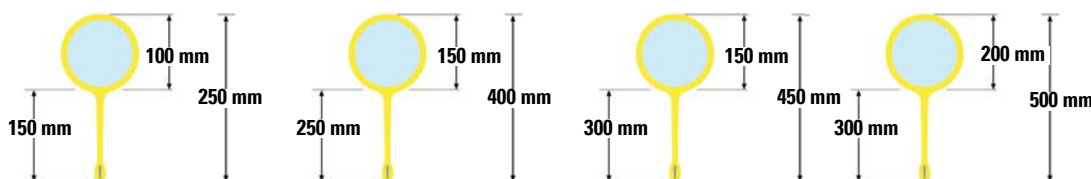
Accessories: End piece



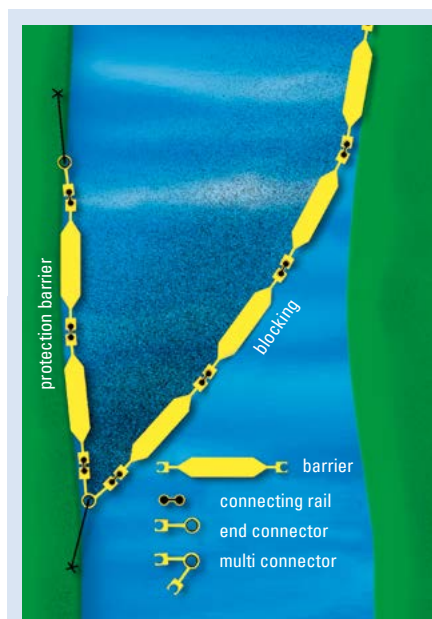
Accessories: distribution piece



Construction principle for a denios oil barrier



Field of use	Streams, small rivers and water treatment plants			Water treatment plants, medium rivers, canals and lakes			Rivers, canals, lakes, harbours	Rivers, canals, lakes, harbours, calm coastal areas		
Width, external [mm]	250	250	250	400	400	400	450	500	500	500
External length [m]	5.0	10.0	15.0	5.0	10.0	15.0	15.0	10.0	15.0	15.0
Order number	267-955-J1	267-956-J1	215-800-J1	267-957-J1	267-958-J1	215-802-J1	215-803-J1	267-959-J1	215-804-J1	
Accessories										
Order number Distribution piece	215-809-J1	215-809-J1	215-809-J1	215-810-J1	215-810-J1	215-810-J1	215-811-J1	215-812-J1	215-812-J1	
Order number End piece	215-805-J1	215-805-J1	215-805-J1	215-806-J1	215-806-J1	215-806-J1	215-807-J1	215-808-J1	215-808-J1	



Accessories	Order number
Peg, 1.8 x 100 cm	261-508-J1
Sledgehammer, 3 kg	267-965-J1
Floating rope, 5 m, three strands twisted, in PP, black, can be extended as required, does not harden	267-964-J1
Floating rope, 15 m, three strands twisted, in PP, black, can be extended as required, does not harden	261-510-J1
Wall attachment kit with 2 oil barrier end pieces and 2 wall rails, suitable for all sizes	265-660-J1

Construction diagram for an oil barrier consisting of several segments, two end pieces and a distribution piece

The deflector barrier is retracted against the flow at a defined angle depending on the flow velocity and thus forms the actual barrier. The bank protection barrier prevents contamination of the bank. Special bank end pieces and tensioning devices fix the oil barrier in the desired position and create a safe working area to absorb the pollutant from the water.



OIL – for oils, fuels and hydrocarbons, hydrophobic

Oil barrier set PROFESSIONAL

Comprehensive and worry-free kit consisting of quick-to use, reusable oil barriers, oil absorbent materials and practical accessories for mobile emergency use.

- For the professional containment and collection of oil leaks on the surface of water, e.g. inland waters, harbours, retention basins etc
- The included double-chamber hose provides a mobile oil barrier that can be used quickly and with little personnel effort in the event of a spill on still or slow-flowing waters (< 1.3 m/s).
- The submerged guards with welded ballast weights ensure that the oil barrier remains upright even against the flow.

- Made from a high-quality special fabric with high weight per unit area.
- The system components (barrier, distribution piece and end piece) can be connected to each other by means of integrated and easy-to-operate aluminium quick couplings with captive locking. With the extension set, any number of barriers can be joined together as required.
- In a sturdy, weather-proof PE storage box.



Contents:

2 x 5 metre oil barriers
4 high-speed couplings
2 bank end pieces, single
1 bank protection distribution piece
3 pegs 1000 x 18 mm
3 x 15 metre floating ropes
1 sledgehammer 3 kg
10 disposal bags
5 oil skimmers 60 x 20 cm
20 absorbent mats 50 x 40 cm
5 pairs protective gloves
1 storage box 1210 x 785 x 780 mm

Comprehensive oil barrier kit
in weather-proof storage box,
Order no. 201-653-J1



Contents:

2 x 5 metre oil barriers
2 high-speed couplings
20 absorbent mats
50 x 40 cm
1 storage box 1
210 x 785 x 780 mm

Oil barrier extension,
Order no. 201-716-J1

Order at the same time

Wall mounting kit with
2 oil barrier end pieces
and 2 wall rails for quay
walls, reinforced basin
edges, etc.
Each 1 metre long,
Order no. 201-976-J1



AERO oil barriers

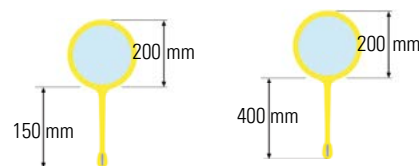
NEW

- Innovative air-filled oil barrier for mobile emergency use and for long term fixed safety projects.



Go online! Discover
even more exciting
product highlights!

» www.denios.co.uk



- Needs the minimum amount of space during storage and transport as the barrier is filled with air at the location of use.
- Thanks to their exceptionally high tensile strength, AERO oil barriers have a high load capacity and are suitable for extreme operating situations, such as strong currents and winds.
- Made from a high-quality special fabric with high weight per unit area.
- Waterproof ballast weight welded into the submerged guards.
- The system components (barrier, distribution piece and end piece) can be connected to each other by means of integrated and easy-to-operate aluminium quick couplings with captive locking. Any number of barriers can be joined together as required.
- Flexible and reusable.
- Warning colour for good visibility even in bad weather conditions.
- AERO oil barriers are ready for immediate use. Extensive accessories are available in the convenient packs for easy set-up and securing.

Field of use	Medium and large rivers, water treatment plants, canals, lakes, harbours		Canals, lakes, large rivers, harbours, calm coastal areas
Design	350L	350L	600L
Width, external [mm]	0	0	0
External length [m]	5.0	10.0	10.0
Order number	267-960-J1	267-961-J1	267-963-J1
Accessories			
Order number Filling device with pressure reducer, hose and fill adapter for autonomous, energy-independent operation.	267-966-J1	267-966-J1	267-966-J1
Order number Powerful fan for filling and emptying AERO oil barrier, complete with hose and adapter	267-967-J1	267-967-J1	267-967-J1
Order number Wall mounting set	267-968-J1	267-968-J1	267-969-J1

OIL – for oils, fuels and hydrocarbons, hydrophobic



Oil Sweeps

- For removing oil films on the surface of water
- Reliable absorption of engine oil, diesel, heating oil, cutting oil, vegetable oil, oil-based solvents etc and more
- With retrieval rope
- Can float on water even when saturated
- The colour helps identification of saturation level
- Can be shortened to the required length



Oil sweeps (Lx W [M]: 30 x 0,48),
can be shortened to required length,
Order no. 170-342-J1



Order no. 119-244-J1

Oil dice

- Ideal for long term use on bodies of water, including where there is a high flow or movement of water
- Suitable for all types of bodies of water, water treatment plants, harbour basins, oil separators
- Hydrophobic design ensures oil or hydrocarbon-based liquids are absorbed and water is repelled
- Very low risk of dripping thanks to strong adhesion between the surface of the fibres and the absorbed liquid
- Can float on water even when saturated
- Ideally suited to removing oil or fuel spills from the surface of water
- Oil binder model I, II SF
- Supplied in a 10 kg PE sack
- Absorption capacity 15litres/pack



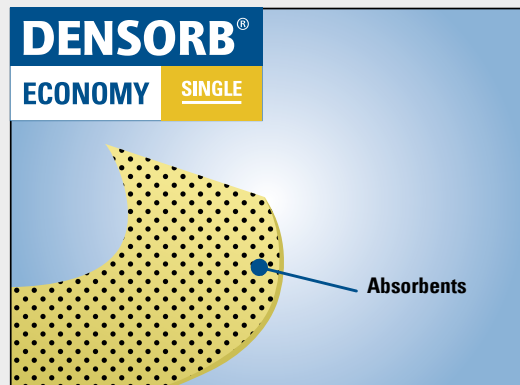
Oil skimmers

- For easy removal of oil, fuel or other similar substances from drains, gullies, pipes or tanks
- Highly absorbent material in robust nylon netting
- Especially suited to areas which are difficult to access
- Reliable absorption of engine oil, diesel, heating oil, cutting oil, vegetable oil, oil-based solvents etc and more

Ø x L [mm]	200 x 600
Pack contents	10 Item(s)
Absorption capacity [l / pack]	129
Order number	128-556-J1

Special prices for bulk purchases and other pack sizes available
on request: 01952 811 991




SPECIAL – for acids, alkalis, solvents and unknown chemicals


- Reliably absorb all liquids with a hydrophilic design
- The yellow warning colour highlights a potential hazard and allows the absorbed liquid to be clearly seen

Mats Special ECONOMY SINGLE

- The ideally sized mats are perforated in the middle for economical use



Mats (400 x 500 mm) are perforated in the middle, so that the required amount can be torn off easily in the case of small leaks



Extremely efficient Chemical absorbent mats absorb escaped liquids very quickly and safely, the warning colour indicates a potential hazard, in various sizes

Design	Lightweight	Lightweight	Lightweight	Heavy-duty	Heavy-duty
External length [mm]	400	500	500	500	500
Width, external [mm]	370	400	400	400	400
Perforation	No	Yes	Yes	Yes	Yes
Pack contents	200 Item(s)	100 Item(s)	200 Item(s)	50 Item(s)	100 Item(s)
Absorption capacity [l / pack]	118	80	160	62	124
Order number	177-886-J1	207-917-J1	175-019-J1	207-919-J1	175-020-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips

SPECIAL – for acids, alkalis, solvents and unknown chemicals



- The chemical-resistant material does not disintegrate and does not cause a hazardous reaction when in contact with corrosive liquids (see resistance list)
- For quick, easy use on leaks
- Best suited to use as an underlay for cleaning, repair and maintenance work
- Ideal for use in the laboratory, to lay under machinery or for wiping down dirty surfaces or containers
- A special embossed surface guarantees good stability and long life
- Very low risk of dripping thanks to strong adhesion between the surface of the fibres and the absorbed liquid
- The ideally sized mats are perforated in the middle for economical use



Don't search! Find! With the absorbent finder

» www.denios.co.uk/densorb

Rolls Special ECONOMY SINGLE

- Rolls are excellent for covering large surface areas
- Rolls are perforated in the middle and crossways for easy separation

BEST PRICE



Stands for absorbent rolls

See page 400

Extremely efficient Chemical absorbent mat rolls for simple use, ideal as an underlay when dispensing, for covering a large surface area, width 38 or 76 cm

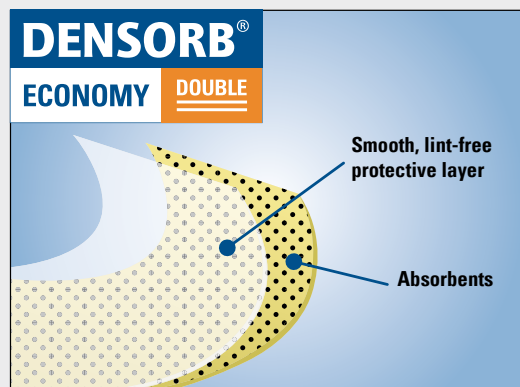
Design	Lightweight, narrow	Lightweight, narrow	Lightweight, wide	Lightweight, narrow	Lightweight, wide	Heavy-duty, narrow	Heavy-duty, narrow	Heavy-duty, wide	Heavy-duty, wide
External length [m]	45	45	45	90	90	45	45	45	70
Width, external [mm]	380	380	760	380	760	380	380	760	760
Pack contents	1 Roll(s)	2 Roll(s)	1 Roll(s)	2 Roll(s)	1 Roll(s)	1 Roll(s)	2 Roll(s)	1 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	68	137	137	274	274	106	211	211	329
Order number	259-112-J1	207-914-J1	207-915-J1	173-864-J1	173-873-J1	259-113-J1	173-861-J1	173-870-J1	259-111-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips



SPECIAL – for acids, alkalis, solvents and unknown chemicals



- Highly absorbent mats in combination with a heavy duty, lint-free protective layer for long term use
- Suitable for areas where aggressive chemicals are stored or handled
- The strong additional layer of spin-bonded fabric ensures high tear and abrasion resistance, even when fully saturated
- The protective layer allows targeted use:
 - first as an underlay for repair, cleaning and maintenance work or on worktables, where a smooth, lint-free surface is needed (protective layer upwards)
 - second, to protect flooring or for use with a leaky machine, where quick absorption of the dripping liquid is needed (protective layer downwards)
- The chemical-resistant absorbent mat does not disintegrate and does not cause a hazardous reaction when in contact with corrosive liquids (see resistance list)
- Universal use in laboratories, production and workshops

Rolls Special ECONOMY DOUBLE

- Extra wide rolls for covering large surface areas
- Rolls are perforated in the middle and crossways for easy separation

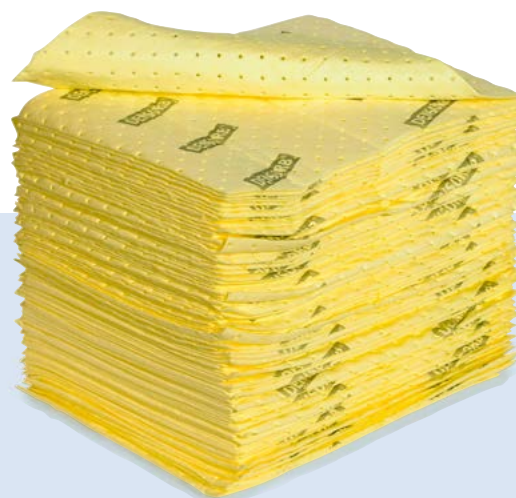


Rolls	Lightweight, narrow	Lightweight, wide	Heavy-duty, narrow	Heavy-duty, wide
External length [m]	90	90	45	45
Width, external [mm]	500	1000	500	1000
Pack contents	2 Roll(s)	1 Roll(s)	2 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	328	328	215	215
Order number	243-815-J1	243-816-J1	243-817-J1	243-818-J1

Mats Special ECONOMY DOUBLE

- The ideally sized mats are perforated in the middle for economical use
- Supplied in a practical dispenser box for quick, efficient use

Mats are protected in the practical dispenser box and are easy to access as needed

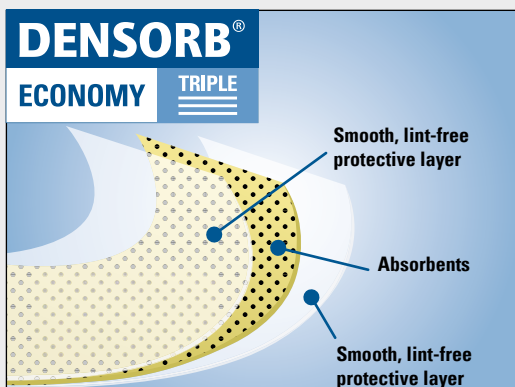


Mats	Lightweight	Heavy-duty
External length [mm]	500	500
Width, external [mm]	400	400
Pack contents	200 Item(s)	100 Item(s)
Absorption capacity [l / pack]	146	96
Order number	243-812-J1	243-814-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips

SPECIAL – for acids, alkalis, solvents and unknown chemicals



- **Effective absorbent mats with heavy duty, lint-free protective layers on both sides for excellent cleanliness, life, tear and abrasion resistance**
- The yellow warning colour highlights a potential hazard and allows the absorbed liquid to be clearly seen
- The chemical-resistant material does not disintegrate and does not cause a hazardous reaction when in contact with corrosive liquids (see resistance list)
- Ideal for use in the laboratory, to protect flooring or for use as an underlay for worktables
- High mechanical resistance ensures long life and allows driving and walking over the surface
- Lint-free so ideal for sensitive applications and dirt-sensitive areas, also suitable for wiping rough and sharp-edged surfaces
- Very low risk of dripping thanks to strong adhesion between the surface of the fibres and the absorbed liquid

Rolls Special ECONOMY TRIPLE



Rolls	Lightweight, narrow	Lightweight, wide	Heavy-duty, narrow	Heavy-duty, wide
External length [m]	45	45	45	45
Width, external [mm]	380	760	380	760
Pack contents	1 Roll(s)	1 Roll(s)	1 Roll(s)	1 Roll(s)
Absorption capacity [l / pack]	60	120	85	170
Order number	256-710-J1	256-711-J1	256-712-J1	256-713-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991

Mats Special ECONOMY TRIPLE

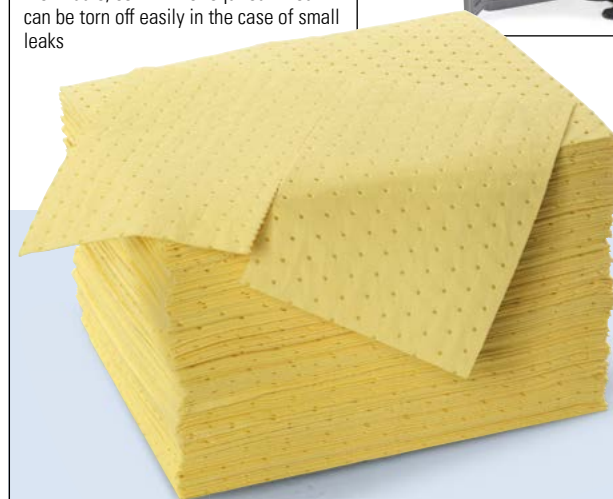
- **Heavy duty mats for reliable absorption of leaked chemicals, e.g. in laboratories**



Mats (400 x 500 mm) are perforated in the middle, so that the required amount can be torn off easily in the case of small leaks

Emergency spill kit XL in DENSORB Caddy

See page
407



Mats	Lightweight	Heavy-duty
External length [mm]	500	500
Width, external [mm]	400	400
Pack contents	100 Item(s)	100 Item(s)
Absorption capacity [l / pack]	70	100
Order number	256-714-J1	256-715-J1

Heavy: double layer of material for large volumes of liquid
Light: single layer of material for small leaks and drips



SPECIAL – for acids, alkalis, solvents and unknown chemicals

Absorbent materials with a high absorption capacity

A special polypropylene filling ensures excellent absorption capacity.

Fluids which have been absorbed are reliably contained and are easily disposed of

- The first choice for leaks, when the type of leaked fluid is not known
- Chemically inert, suitable for absorbing aggressive chemicals
- Perfect for long term use anywhere where drips need to be collected, for example under leaky machinery or when dispensing
- Reliably absorbs all liquids with a hydrophilic design

Special absorbent socks

The design of our absorbent socks are an ideal shape for containing leaks

- An especially flexible shape with a stretchy outer ensures limitless possibilities for use, even in places which are difficult to reach



Special absorbent socks for restricting hazardous substances in the event of an accident and special Mats for absorbing liquids



Ø x L [mm]	75 x 1200	75 x 1800	75 x 3000	80 x 5000	75 x 20000
Pack contents	20 Item(s)	12 Item(s)	4 Item(s)	4 Item(s)	1 Item(s)
Absorption capacity [l / pack]	53	47	25	53	56
Order number	123-150-J1	123-151-J1	123-152-J1	265-654-J1	263-309-J1

Special absorbent cushions

- Perfect for long term use anywhere where drips need to be collected, for example under leaky machinery or when dispensing
- For collecting dripping fluids under pipes, valves, hydraulic lines, flanges, connections and drum taps
- An especially flexible shape ensures many possibilities for use, even in places which are difficult to reach.
- Especially high absorption capacity



External dimensions L x W [mm]	250 x 250	460 x 460
Pack contents	30 Item(s)	16 Item(s)
Absorption capacity [l / pack]	49	85
Order number	123-136-J1	123-137-J1

Special prices for bulk purchases and other pack sizes available on request: 01952 811 991



Emergency spill kit XL in
DENSORB Caddy

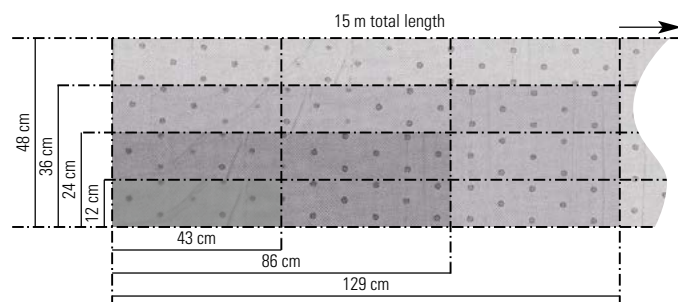
See page
407

Varioform - ready for any application: four formats in one

- Use as rolls, socks, mats and wipes



- A protective coating on both sides ensures the material is lint free and therefore also suitable for sensitive applications
- Supplied in a practical dispenser box for quick, efficient use anywhere



Multiple perforations along and across the material allow the correct size for any eventuality to be torn off easily

- Ideal for everyday use, for maintenance and repair work and for unexpected leaks
- The absorbent material is supplied folded on a Roll and is perforated in the middle and crossways - for every need
- High quality polypropylene fibres and a sturdy spun-bonded fabric guarantee highest tear and abrasion resistance
- The compact dimensions mean the absorbent materials can be placed ready at any location: workbench, service vehicle, lorry, forklift etc

Emergency sets in three designs:

OIL	Absorbs oil and repels water
UNIVERSAL	Universally applicable, absorbs oil, water & other chemicals
SPECIAL	For acids, alkalis and chemicals



Varioform absorbent material three versions Universal, special and oil (from left) in practical dispensing cartons

Application - DENSORB	Oil	Universal	Special
External dimensions L x W [mm]	15000 x 480	15000 x 480	15000 x 480
Absorption capacity [l / pack]	29	29	29
Order number	181-147-J1	181-146-J1	181-148-J1

Roll stands and wall brackets



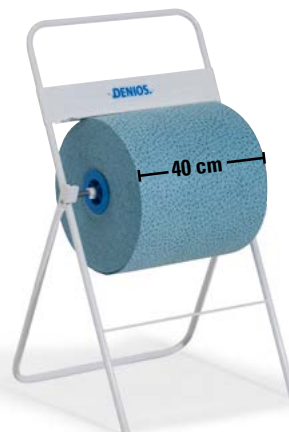
Practical wall mounted Roll, can also be used as a stand, including cutting edge, dimensions W x D x H (mm): 500 x 430 x 360

Order no. 116-579-J1



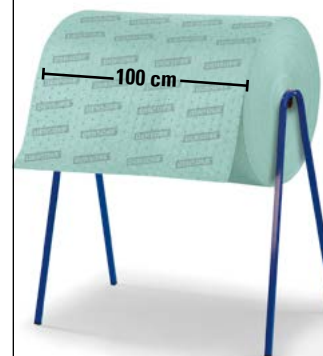
Mobile roll stand, incl. waste sack holder and cutting edge, dimensions W x D x H (mm): 490 x 720 x 1070

Order no. 116-578-J1



Roll stand with cutting edge, dimensions W x D x H (mm): 440 x 385 x 880

Order no. 116-637-J1



Pull-out roll stand for rolls with a width of 76 to 100 cm, dimensions W x D x H (mm): 1100 x 300 x 1060

Order no. 256-716-J1

- For rolls up to 38 cm wide
- Ergonomic handle and easy to manoeuvre solid rubber wheels for safe, easy handling
- Quick, simple roll insertion
- Corrosion proof and easy to clean
- Sturdy, robust housing in environmentally-friendly polyethylene - highly resistant to oils, acids, alkalis and other aggressive substances

Order at the same time



Optional accessories:
Tray for safety gloves and glasses for example, dimensions W x D x H (mm): 390 x 180 x 85, Order no. 250-263-J1

NEW



Mobile dispenser, dimensions W x D x H (mm): 600 x 470 x 1000, Order no. 251-113-J1

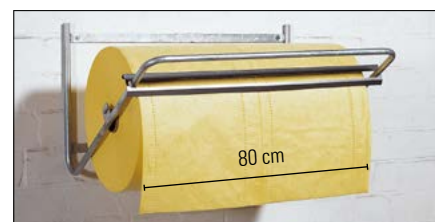
- For rolls up to 80 cm wide
- Sturdy Roll holder for industrial and workshop use
- Includes cutting edge Can be used either wall mounted or on a stand
- Dimensions W x D x H (mm): 880 x 460 x 630



Roll stands for rolls up to 80 cm wide as a stand unit, Order no. 136-487-J1



Castor set suitable for Roll stands for 80 cm wide rolls, Order no. 136-489-J1



Roll stand for rolls up to 80 cm wide for wall mounting.

Supply trolleys for DENSORB absorbent materials

- DENSORB absorbent materials are always ready wherever they are needed - clean, quick and efficient
- Large doors offer easy, practical access to the absorbent materials, whether rolls or handy mats
- Magnetic closures ensure easy opening and keep the doors tightly closed and the contents clean
- Sturdy design in long lasting, robust plastic - highly resistant and corrosion free
- You choose: stationary or mobile

Emergency sets in three designs:

OIL	Absorbs oil and repels water
UNIVERSAL	Universally applicable, absorbs oil, water & other chemicals
SPECIAL	For acids, alkalis and chemicals

Practical DENSORB stations have compact dimensions to house regularly used absorbent materials in an easy to reach location, helping to keep your workshop clean



Contents:
1 absorbent roll 45 m x 38 cm incl. spindle for mounting
2 x 100 absorbent mats 50 x 40 cm
1 shelf, galvanised steel

Absorbent materials supply trolley DENSORB Station S (oil version) - compact dimensions and a door with transparent document pocket on the inside.



Contents:
1 absorbent roll 45 m x 76 cm incl. spindle for mounting
2 x 200 absorbent mats 50 x 40 cm
1 shelf, galvanised steel

DENSORB Station L absorbent materials depot with generous contents and two doors as well as a transparent document pocket on the inside

The easily manoeuvrable DENSORB Caddy is an essential aid when you need to get absorbent materials to different locations fast



Contents:
1 absorbent roll 45 m x 38 cm incl. spindle for mounting
2 x 100 absorbent mats 50 x 40 cm
1 shelf, galvanised steel

DENSORB Caddy absorbent material supply trolley (SPECIAL version) with smooth running solid rubber wheels for mobile use



The ergonomic handle can be gripped safely even when wearing protective gloves and optimises manoeuvrability.

Model	DENSORB Station S			DENSORB Station L			DENSORB CADDY		
Application - DENSORB	Oil	Universal	Special	Oil	Universal	Special	Universal	Special	Oil
Absorption capacity [l / pack]	228	228	228	457	457	457	228	228	228
External dimensions L x W x H [mm]	640 x 600 x 1130			640 x 1200 x 1130			820 x 700 x 1300		
Order number	217-042-J1	217-043-J1	217-044-J1	217-218-J1	217-219-J1	217-220-J1	217-040-J1	217-041-J1	217-039-J1
Accessories									
Order number 2 spare 45 M absorbent rolls, refills	173-859-J1	173-862-J1	207-914-J1	—	—	—	173-862-J1	207-914-J1	173-859-J1
Order number 1 spare 45 M absorbent Roll, refill	—	—	—	173-868-J1	173-867-J1	207-915-J1	—	—	—
Order number 200 absorbent mats, refills	—	—	—	175-018-J1	175-014-J1	175-019-J1	—	—	—
Order number 100 absorbent mats, refills	207-923-J1	207-920-J1	207-917-J1	—	—	—	207-920-J1	207-917-J1	207-923-J1

Learn from the professionals!

- Putting knowledge into practice

DENIOS Seminar "Emergency spill training"

Train under professional guidance to know the right things to do if an incident occurs and avoid the incalculable risks and associated costs. DENIOS emergency leak training teaches employees about accident prevention as well as the safe use of DENSORB emergency spill kits for containing and clearing up leaked fluids. Attendees finish the course safe in the knowledge that they are prepared for an emergency. This seminar forms part of emergency planning in accordance with ISO 14001:2015 Section 8.2.



Theoretical course content:

- Basic knowledge on legislation and ecological aspects
- Leak prevention
- Planning and implementation of emergency measures
- Leak case study
- Areas of application for absorbent emergency spill kits

Practical course content:

- The right way to use emergency equipment
- Practical training using controlled spills/leaks on a company-relevant scale
- Optional: Inspection of potential incident sites
- Optional: Advice on technical solutions for spill and leak management

Date: On request
Location: In your company
Course fee: On request
Duration: Approx. 2 hours

Order no. 211-123-J1

Your direct line to us: 01952 811 991



Where experts grow.



Special kit for chemical accidents

- Specially for leaks involving aggressive liquids
- Contains absorbent material as well as chemical and acid absorbents
- Includes PPE for chemical leaks
- Ideal for mobile use anywhere where a leak may happen
- Includes PPE for chemical leaks



Contents:

40 mats 50 x 40 cm
 3 socks 120 x 7.5 cm
 2 x 400 g chemical and acid binder Multi-Sorb
 1 goggles Model V-Maxx
 1 pair chemical protection gloves
 1 half mask Model 6000
 1 chemical overalls Model 4, 5, 6
 Chemical resistance lists

Application - DENSORB	Special
Absorption capacity [l / pack]	42
External dimensions L x W x H [mm]	610 x 400 x 290
Weight [kg]	10
Order number	163-776-J1
Accessories	
Order number Refill kit	200-211-J1

DENSORB emergency spill kits need to be close at hand when working with hazardous substances, so that action can be taken quickly if there's a leak. DENIOS offers a wealth of practical emergency spill kits, including powerful absorbent materials, personal protective equipment and accessories.

	Features							Application			
DENSORB emergency kit description	Outdoors	Portable (max. 10 kg)	Floor-standing	With castors	Lockable	With granules	Refill kit available	Universal	Oil	Special	Page
Absorption capacity up to 100 litres											
Mobile set in handy case		✓			✓		✓				405
Special set for chemical spillages		✓	✓				✓				402
Mobile kit		✓									404
Weatherproof emergency travel bag	✓	✓					✓				404
Emergency spill kit in transparent carry case		✓									404
Mobile kit in transport box		✓	✓				✓				405
Emergency kit in transparent castor box		✓	✓	✓	✓		✓				405
Mobile absorbent emergency spill kit in DENSORB Caddy Small			✓	✓	✓		✓				406
Emergency kit on trolley, small			✓	✓	✓		✓				436
Emergency kit on trolley, large			✓	✓	✓		✓				436
Oil barrier set PROFESSIONAL	✓		✓		✓						392
Absorption capacity up to 200 litres											
Mobile emergency spill kit in DENSORB Caddy Medium			✓	✓	✓	✓	✓				407
Emergency spill kit XL in DENSORB Caddy			✓	✓		✓	✓				407
Emergency spill kit in mobile container, B12	✓		✓	✓			✓				437
Emergency spill kit in drum S 170	✓		✓				✓				437
Emergency kit in a lidded box	✓		✓	✓	✓	✓	✓				439
Emergency kit in DENSORB Station S	✓		✓		✓		✓				413
Safety box, small	✓		✓	✓	✓		✓				438
Absorption capacity up to 300 litres											
Emergency spill kit in mobile container, B24	✓		✓	✓			✓				437
Emergency spill kit in drum S 200	✓		✓				✓				437
Emergency kit in transport box	✓		✓	✓		✓	✓				439
Emergency kit in DENSORB Station L	✓		✓		✓		✓				413
Safety box, medium	✓		✓	✓	✓		✓				438
Absorption capacity up to 500 litres											
Emergency spill kit in mobile container, B36	✓		✓	✓			✓				437
Safety cabinet			✓		✓		✓				412
Safety box, large	✓		✓	✓	✓	✓	✓				438
Absorption capacity over 500 litres											
Safety box Maxi	✓		✓		✓	✓	✓				414
Marines emergency spill kit Maxi XL 7 Barrel meeting OPA 90	✓		✓		✓						414
Marines emergency spill kit Maxi XXL 12 Barrel meeting OPA 90	✓		✓		✓						414



Contents:
 20 mats 50 x 40 cm
 2 socks 120 x 7.5 cm
 1 goggles with elastic strap
 1 pair protective gloves
 1 disposal bags

Mobile emergency spill kit in compact, light transport bag

- Space-saving, handy emergency spill kit
- Ideal for mobile use anywhere where a leak may happen
- Ideally suited for placement in a service vehicle, forklift or lorry
- Can be placed in almost any hazardous area
- The transparent bag with zip closure can also be used to dispose of used absorbent materials

Application - DENSORB	Oil	Universal	Special
Absorption capacity [l / pack]	22	22	22
External dimensions L x W x H [mm]	500 x 400 x 140	500 x 400 x 140	500 x 400 x 140
Order number	116-660-J1	146-913-J1	116-661-J1



Contents:
 50 mats 50 x 40 cm
 5 socks 120 x 7.5 cm
 4 cushions 25 x 25 cm
 1 goggles with elastic strap
 1 pair protective gloves
 3 disposal bags

Emergency spill kit in transparent carry case

- For efficient use in the event of a small leak
- Emergency spill kits have protective gloves and a disposal bag for used absorbent materials
- Socks are used to contain leaks and prevent them spreading
- Mats and cushions are used to soak up the escaped liquid
- Ideal for mobile use anywhere where a leak may happen
- Ideally suited for placement in a service vehicle, forklift or lorry
- Large viewing window to check the contents at a glance, without having to open the bag

Application - DENSORB	Oil	Universal	Special
Absorption capacity [l / pack]	60	60	60
External dimensions L x W x H [mm]	650 x 220 x 450	650 x 220 x 450	650 x 220 x 450
Order number	216-520-J1	216-519-J1	216-521-J1



Contents:
 50 mats 40 x 50 cm
 3 socks 120 x 7.5 cm
 1 goggles with elastic strap
 1 pair protective gloves
 3 disposal bags

Weatherproof emergency travel bag

- Essential for effective handling of leaks and incidents
- Ideal for mobile use anywhere where a leak may happen
- Ideally suited for placement in a service vehicle, forklift or lorry
- Sturdy, weather-proof bag
- Adjustable shoulder strap
- Velcro fastening for quick access

Application - DENSORB	Oil	Universal	Special
Absorption capacity [l / pack]	48	48	48
External dimensions L x W x H [mm]	400 x 200 x 500	400 x 200 x 500	400 x 200 x 500
Order number	157-324-J1	157-327-J1	157-328-J1
Accessories			
Order number Refill kit	157-361-J1	157-362-J1	157-363-J1

Emergency sets in three designs:

OIL	Absorbs oil and repels water
UNIVERSAL	Universally applicable, absorbs oil, water & other chemicals
SPECIAL	For acids, alkalis and chemicals

Mobile set in handy case

NEW

Practical emergency leak box for immediate removal of small leaks.

- Thanks to compact dimensions, perfectly suited to carrying in a vehicle or for space-saving storage in work areas prone to leaks.
- For mobile use anywhere where liquids which are harmful to the environment or human health are used, transported or stored.

Contents:

10 mats 50 x 40 cm
2 socks 120 x 7.5 cm
1 goggles with elastic strap
1 pair protective gloves
1 disposal bag



Application - DENSORB	Oil	Universal	Special
Absorption capacity [l / pack]	14	14	14
External dimensions L x W x H [mm]	480 x 480 x 230	480 x 480 x 230	480 x 480 x 230
Order number	267-161-J1	267-162-J1	267-163-J1
Accessories			
Order number Refill kit	267-164-J1	267-165-J1	267-166-J1



The spacious box can be easily transported thanks to handy grips

Mobile spill kit in sturdy transport box

- Ideally suited for placement in a service vehicle, forklift or lorry
- Sturdy box with ergonomic handles
- With space-saving, two-part lid
- Stable and Lightweight

Contents:

25 mats 50 x 40 cm
8 socks 120 x 7.5 cm
16 cushions 25 x 25 cm
1 goggles with elastic strap
2 pair protective gloves
2 disposal bags



Mobile emergency spill kit in transport box, Universal version, Order no. 116-745-J1

Application - DENSORB	Oil	Universal	Special
Absorption capacity [l / pack]	67	67	67
External dimensions L x W x H [mm]	810 x 400 x 440	810 x 400 x 440	810 x 400 x 440
Order number	116-744-J1	116-745-J1	116-746-J1
Accessories			
Order number Refill kit	147-851-J1	147-852-J1	147-853-J1

Emergency spill kit in transparent roller box

Thanks to its low weight and 4 easy-action swivel castors, the compact container is always quickly on hand where the absorbent materials, protected from moisture and dust, are needed.

■ For in-house use

- Contents can be checked without opening
- To prevent unauthorised access to the contents, the box can be sealed or locked with a padlock.

Contents:

25 mats 40 x 50 cm
8 socks 120 x 7.5 cm
16 cushions 25 x 25 cm
1 pair goggles with elastic strap
2 pair protective gloves
2 disposal bags

Application - DENSORB	Oil	Universal	Special
Absorption capacity [l / pack]	67	67	67
External dimensions L x W x H [mm]	800 x 450 x 540	800 x 450 x 540	800 x 450 x 540
Order number	155-181-J1	155-182-J1	155-183-J1
Accessories			
Order number Refill kit	147-851-J1	147-852-J1	147-853-J1



Emergency kit in transparent box with castors, oil version, Order no. 155-181-J1

Mobile emergency spill kit in DENSORB Caddy Small

With transparent door for easy viewing of contents.

- Quick to use.
- With sturdy, solid rubber wheels to protect floors and ensure easy, quick manoeuvrability.
- Ergonomic handle optimises manoeuvrability.
- The comfortable handle allows locking using a padlock or seal, to protect the contents from unauthorised access.
- A gap on the rear allows a warning sign to be fitted using an optional mounting kit (not included).
- A special feature of the contents is the perforated absorbent mat roll, from which the required quantity can be individually torn off.



Contents:

1 absorbent roll 20 m x 38 cm
incl. spindle for mounting
8 absorbent socks 120 x 7.5 cm
2 absorbent cushions 25 x 25 cm
25 cloths 38 x 40 cm
1 goggles with elastic strap
1 pair protective gloves
5 disposal bags

NEW

Order no. 267-169-J1

Order at the same time



Set for mounting a warning sign

Contains a warning sign and straps for attachment to the back of the DENSORB Caddy Small

Order no. 270-419-J1

The transparent door offers the maximum view into the interior of the roomy transport trolley. This allows you to easily check that the emergency spill kit contents are complete.

Emergency sets in three designs:

OIL	Absorbs oil and repels water
UNIVERSAL	Universally applicable, absorbs oil, water & other chemicals
SPECIAL	For acids, alkalis and chemicals

Model	Small		
Application - DENSORB	Oil	Universal	Special
Absorption capacity [l / pack]	55	55	55
External dimensions L x W x H [mm]	400 x 510 x 950	400 x 510 x 950	400 x 510 x 950
Order number	267-167-J1	267-168-J1	267-169-J1
Accessories			
Order number Refill kit	267-170-J1	267-171-J1	267-172-J1

Mobile emergency spill kit in DENSORB Caddy

- Optimum selection of absorbent materials for in-house leaks
- These organised, sturdy transport trolleys are chock full of high quality DENSORB absorbent materials
- A unique part of the contents are the perforated absorbent rolls, which allow just the right amount to be torn off. The granules also help to restore grip to the floor after the leaked fluid has been removed.
- Quick to use
- With sturdy, solid rubber wheels to protect floors and ensure easy, quick manoeuvrability
- Large, wide-opening door for efficient access to the absorbent materials

The ergonomic handle can be gripped safely even when wearing protective gloves and optimises manoeuvrability.



Contents:

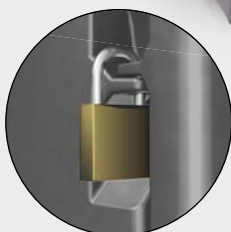
1 absorbent roll 45 m x 38 cm incl. spindle for mounting
7 absorbent socks 120 x 7.5 cm
2 absorbent cushions 25 x 25 cm
25 cloths 38 x 40 cm
1 sack granules 8 kg
1 granule shovel*
1 warning sign*
1 goggles with elastic strap
1 pair protective gloves
10 disposal bags
*not included in refill kit, please order separately



Absorbent materials emergency spill kit, Universal version, in DENSORB Caddy Medium



A device on the rear of the transport trolley Medium allows a warning sign to be fitted.



The DENSORB Caddy Medium has a locking device for use with a padlock or seal, to protect the contents from unauthorised access.

Contents:

1 absorbent roll 90 m x 38 cm incl. spindle for mounting
12 absorbent socks 120 x 7.5 cm
6 absorbent cushions 25 x 25 cm
1 sack granules 8 or 10 kg
1 granule shovel*
1 goggles with elastic strap
2 pairs protective gloves
10 disposal bags
*not included in refill kit, please order separately



Emergency spill kit absorbent materials set, Oil version in DENSORB Caddy Extra Large

Order no. 219-594-J1

Order at the same time



„DENSORB
Emergency Spill
Kit“ sign in weather
resistant plastic,
400 x 400 mm

Order no. 259-813-J1

Model	Medium			Extra Large		
Application - DENSORB	Oil	Universal	Special	Oil	Universal	Special
Absorption capacity [l / pack]	102	100	100	190	187	188
External dimensions L x W x H [mm]	590 x 615 x 1090	590 x 615 x 1090	590 x 615 x 1090	820 x 700 x 1300	820 x 700 x 1300	820 x 700 x 1300
Order number	259-470-J1	259-469-J1	259-471-J1	219-594-J1	219-593-J1	219-595-J1
Accessories						
Order number Refill kit	259-473-J1	259-472-J1	259-474-J1	219-597-J1	219-596-J1	219-598-J1

Emergency spill kit in transport trolley

- Designed to quickly contain hazardous substances in the event of a leak
- If needed, can be locked with a conventional padlock
- Excellent mobility indoors and outdoors, even under difficult conditions

This emergency spill kit can be brought quickly to the scene of the leak. The range consists of socks for containment as well as mats and cushions for absorbing leaked fluid. Personal protection equipment for use at the site of the incident such as safety glasses and gloves complete the set.

Seminar - Emergency leak training

See page
402



The removable transport trolley trays are ideal for collecting dripping liquids or short-term collection of liquid-soaked absorption cloths.



NEW CONTENT

Contents:

20 mats 37 x 40 cm
5 socks 120 x 7.5 cm
2 cushions 25 x 25 cm
1 goggles with elastic strap
1 pair protective gloves
5 disposal bags

Contents:

40 mats 37 x 40 cm
8 socks 120 x 7.5 cm
4 cushions 25 x 25 cm
25 cloths 38 x 40 cm
1 goggles with elastic strap
1 pair protective gloves
5 disposal bags



Emergency sets in three designs:

OIL	Absorbs oil and repels water
UNIVERSAL	Universally applicable, absorbs oil, water & other chemicals
SPECIAL	For acids, alkalis and chemicals

Application - DENSORB	Oil	Universal	Special	Oil	Universal	Special
Absorption capacity [l / pack]	28	28	28	52	52	52
External dimensions L x W x H [mm]	610 x 405 x 915	610 x 405 x 915	610 x 405 x 915	510 x 510 x 1020	510 x 510 x 1020	510 x 510 x 1020
Order number Grey	116-747-J1	116-749-J1	116-751-J1	116-656-J1	116-652-J1	116-654-J1
Order number Red	208-206-J1	208-207-J1	208-208-J1	208-197-J1	208-198-J1	208-205-J1
Accessories						
Order number Refill kit	116-748-J1	116-750-J1	116-752-J1	116-657-J1	116-653-J1	116-655-J1

Emergency spill kit in mobile container

- Ideal for quick transport to where they are needed
- Essential for effective handling of leaks and incidents
- Socks are used to contain leaks and prevent them spreading
- Mats and cushions are used to soak up the escaped liquid
- Practical set of absorbent materials
- The rain-proof mobile container can also be used to collect used absorbent materials.



Emergency spill kit Model B 12 in a 120 litre wheelie bin with an absorption capacity of up to 115 litres

BESTSELLER

Emergency spill kit Model B 24 in a 240 litre wheelie bin with an absorption capacity of up to 238 litres

Contents:
100 mats 50 x 40 cm
7 socks 120 x 7.5 cm
10 cushions 25 x 25 cm
1 goggles with elastic strap
1 pair protective gloves
5 disposal bags

Contents:
200 mats 50 x 40 cm
22 socks 120 x 7.5 cm
12 cushions 25 x 25 cm
2 pairs goggles with elastic strap
2 pairs protective gloves
8 disposal bags

Contents:
400 mats 50 x 40 cm
4 socks 120 x 7.5 cm
4 socks 300 x 7.5 cm
15 cushions 25 x 25 cm
2 pairs goggles with elastic strap
2 pairs protective gloves
25 disposal bags

Model	B 12			B 24			B 36		
Application - DENSORB	Oil	Universal	Special	Oil	Universal	Special	Oil	Universal	Special
Absorption capacity [l / pack]	115	115	115	238	238	238	415	415	415
External dimensions L x W x H [mm]	560 x 480 x 940	560 x 480 x 940	560 x 480 x 940	740 x 580 x 1070	740 x 580 x 1070	740 x 580 x 1070	860 x 625 x 1095	860 x 625 x 1095	860 x 625 x 1095
Mobile container colour	Blue	Green	Yellow	Blue	Green	Yellow	Blue	Green	Yellow
Order number	157-332-J1	157-333-J1	157-334-J1	157-335-J1	157-336-J1	157-337-J1	267-666-J1	267-667-J1	267-668-J1
Accessories									
Order number Refill kit	157-367-J1	157-368-J1	157-369-J1	157-370-J1	157-371-J1	157-372-J1	267-669-J1	267-670-J1	267-671-J1

Emergency spill kit in drum

- Everything needed to contain a leak in one container
- With seals in the lid - ideal for placing outdoors
- The drums have UN-X approval for transport in packaging groups I, II, III and are therefore ideally suited for used absorbent materials.
- When used with a drum dolly (accessory), the drums form a mobile emergency spill kit.



Emergency spill kit type S 170

Emergency spill kit type S 200

Drum dolly in plastic

See page
344



NEW CONTENT

Contents:
100 mats 50 x 40 cm
10 socks 120 x 7.5 cm
15 cushions 25 x 25 cm
3 pairs protective gloves
5 disposal bags

Contents:
200 mats 50 x 40 cm
22 socks 120 x 7.5 cm
12 cushions 25 x 25 cm
2 pairs goggles with elastic strap
2 pairs protective gloves
8 disposal bags

Model	S 170			S 200		
Application - DENSORB	Oil	Universal	Special	Oil	Universal	Special
Absorption capacity [l / pack]	158	158	158	238	238	238
External dimensions L x W x H [mm]	590 x 590 x 950	590 x 590 x 950	590 x 590 x 950	790 x 790 x 850	790 x 790 x 850	790 x 790 x 850
Order number	116-658-J1	147-854-J1	116-659-J1	116-757-J1	147-861-J1	116-758-J1
Accessories						
Order number Refill kit	147-858-J1	147-856-J1	147-860-J1	157-370-J1	157-371-J1	157-372-J1

Safety boxes

The safety boxes have a locking device for use with a padlock or seal, to protect the contents from unauthorised access.

- Ideal for use outdoors.
- Thanks to the large opening, all important absorbent materials and utensils are easy to see and quick to reach.
- The stable design guarantees secure protection of the absorbent materials from weather and damage.
- Essential for effective handling of leaks and incidents
- Emergency spill kits have protective gloves and a disposal bag for used absorbent materials



Small items such as gloves and safety glasses that you will need close at hand in emergencies can be stored handily in a lid pocket

Seminar - Emergency leak training



See page
402

Up to 109 litres absorption capacity

Contents:
100 mats 50 x 40 cm
6 socks 120 x 7.5 cm
8 cushions 25 x 25 cm
1 goggles with elastic strap
1 pair protective gloves
10 disposal bags

Up to 211 litres absorption capacity

Contents:
200 mats 50 x 40 cm
10 socks 120 x 7.5 cm
15 cushions 25 x 25 cm
1 goggles with elastic strap
1 pair protective gloves
20 disposal bags

Up to 414 litres absorption capacity

Contents:
400 mats 50 x 40 cm
20 socks 120 x 7.5 cm
40 cushions 25 x 25 cm
2 pairs goggles with elastic strap
2 pairs protective gloves
50 disposal bags

Safety box, filled with absorbent materials, absorption capacity of up to 211 litres

Model Application - DENSORB	SF 100			SF 200			SF 400		
	Oil	Universal	Special	Oil	Universal	Special	Oil	Universal	Special
Absorption capacity [l / pack]	109	109	109	211	211	211	414	406	410
External dimensions L x W x H [mm]	975 x 705 x 460	975 x 705 x 460	975 x 705 x 460	975 x 705 x 665	975 x 705 x 665	975 x 705 x 665	1210 x 785 x 780	1210 x 785 x 780	1210 x 785 x 780
Order number	157-347-J1	157-348-J1	157-350-J1	157-343-J1	157-344-J1	157-345-J1	157-339-J1	157-341-J1	157-342-J1
Accessories									
Order number Refill kit	—	157-359-J1	157-360-J1	157-354-J1	—	157-356-J1	157-351-J1	157-352-J1	157-353-J1

Order at the same time



Sturdy swivel castors ensure quick transport to the place of use



Stable feet offer access underneath for use with a forklift or pallet truck

Accessories	For model SF 100 and SF 200	For model SF 400
Order number 4 swivel castors	129-348-J1	127-461-J1
Order number 4 legs	129-349-J1	130-044-J1

Emergency spill kit in lidded box

- **Wide range of absorbent materials for all applications**
- Practical, spacious box
- In addition to the high quality DENSORB absorbent materials this set also includes a sack of oil and chemical binder, which strengthens the bund and restores grip to the floor after the leaked fluid has been removed.
- Includes lid

NEW CONTENT

Contents:

50 mats 50 x 40 cm
 10 socks 120 x 7.5 cm
 15 cushions 25 x 25 cm
 1 sack oil and chemical binder granules*
 1 pair goggles with elastic strap*
 1 protective overalls*
 3 pairs protective gloves
 1 granule shovel*
 5 disposal bags
 *not included in refill kit - please order separately



Application - DENSORB	Oil	Universal	Special
External dimensions L x W x H [mm]	1000 x 640 x 655	1000 x 640 x 655	1000 x 640 x 655
Absorption capacity [l / pack]	170	166	168
Order number Without castors	155-194-J1	155-195-J1	155-196-J1
Order number With castors	155-191-J1	155-192-J1	155-193-J1
Accessories			
Order number Refill kit	147-858-J1	147-856-J1	147-860-J1

Order at the same time

DENSORB
Emergency Spill Kit

„DENSORB
 Emergency Spill
 Kit“ sign in weather
 resistant plastic,
 400 x 400 mm

Order no. 259-813-J1



Emergency set in transport box

- **With comprehensive contents**
- Extra large emergency spill kit with practical range of absorbent materials
- Packed so they are easy to use in the right order
- Stationary for defined areas of application or with castors for mobile use A multi-language label set for marking the emergency spill kit is included.



Emergency set in transport box

Contents:

200 mats 50 x 40 cm
 24 socks 120 x 7,5 cm
 10 cushions 25 x 25 cm
 4 sacks granules à 8 or 10 kg
 1 granule shovel, length 105 cm*
 3 pair protective gloves
 5 disposal bags
 *not included in refill kit - please order separately



Application - DENSORB	Oil	Universal	Special
Absorption capacity [l / pack]	288	272	280
External dimensions L x W x H [mm]	1200 x 800 x 760	1200 x 800 x 760	1200 x 800 x 760
Order number Stationary	116-753-J1	147-867-J1	116-754-J1
Order number With castors	116-755-J1	147-868-J1	116-756-J1
Accessories			
Order number Refill kit	147-870-J1	147-869-J1	147-871-J1



Example of usage: the absorbent Roll is easily accessible in emergencies safety cabinet, oil design, without roller shutter/doors

Order at the same time

Mounting kit for wall mounting

Order no. 172-558-J1

Safety cabinet with absorbent material mats

- **Sturdy absorbent materials cabinet with integral holder for an absorbent material Roll**
- Essential for effective handling of leaks and incidents
- Emergency spill kits have protective gloves and a disposal bag for used absorbent materials
- Socks are used to contain leaks and prevent them spreading
- Mats and cushions are used to soak up the escaped liquid
- The absorbent materials are protected from contamination
- Fixed location, accessible at any time
- Can be fixed on a wall



Contents:

100 heavy duty mats 50 x 40 cm
28 socks 120 x 7.5 cm
16 cushions 25 x 25 cm
1 light duty absorbent roll* 90 m x 76 cm
1 pair goggles with elastic strap
1 pair protective gloves
1 chemical protection overalls Model 4, 5, 6
2 eyewash bottles (500 ml)*
1 warning sign
5 disposal bags
*not included in refill kit -please order separately

Safety cabinet with roller shutter doors protects absorbents from getting dirty

Emergency sets in three designs:

OIL	Absorbs oil and repels water
UNIVERSAL	Universally applicable, absorbs oil, water & other chemicals
SPECIAL	For acids, alkalis and chemicals



Safety cabinet with special absorbent materials, with doors.

Order no. 186-966-J1

Application - DENSORB	Oil	Universal	Special
Absorption capacity [l / pack]	498	498	498
External dimensions L x W x H [mm]	950 x 760 x 1350	950 x 760 x 1350	950 x 760 x 1350
Order number Grey, without roller shutter/doors	172-547-J1	172-550-J1	172-552-J1
Order number Grey, with roller shutter	172-546-J1	172-549-J1	172-551-J1
Order number Blue, with doors	186-964-J1	186-965-J1	186-966-J1
Accessories			
Order number Refill kit	172-554-J1	172-555-J1	172-556-J1
Order number Absorbent Roll	173-872-J1	173-871-J1	173-873-J1

Emergency spill kit in DENSORB Station, Model S and L

- Easy access to absorbent materials
- Large doors with practical magnetic closure

Order no. 222-451-J1

Contents:

1 absorbent roll 45 m x 38 cm incl. spindle for mounting
 12 absorbent socks 120 x 7.5 cm
 8 absorbent cushions 25 x 25 cm
 2 pairs protective gloves
 5 disposal bags
 1 goggles with elastic strap

Order at the same time

"DENSORB Emergency Spill Kit" sign in weather resistant plastic, 400 x 400 mm

- With UV resistant print in a highly visible colour
- Draws attention to the DENSORB emergency spill kit

DENSORB®
Emergency Spill Kit

Order no. 259-813-J1

Emergency spill kit in DENSORB station, model S, oil version.

Contents:

1 absorbent roll 45 m x 76 cm incl. spindle for mounting
 23 absorbent socks 120 x 7.5 cm
 16 absorbent cushions 25 x 25 cm
 4 pairs protective gloves
 10 disposal bags
 2 goggles with elastic strap

DENSORB Station L absorbent materials depot with generous contents and two doors as well as a transparent document pocket on the inside



Model	DENSORB emergency spill kit Station S			DENSORB emergency spill kit Station L		
Application - DENSORB	Oil	Universal	Special	Oil	Universal	Special
Absorption capacity [l / pack]	113	113	113	224	224	224
External dimensions L x W x H [mm]	640 x 600 x 1130	640 x 600 x 1130	640 x 600 x 1130	640 x 1200 x 1130	640 x 1200 x 1130	640 x 1200 x 1130
Order number	222-451-J1	222-452-J1	222-453-J1	222-454-J1	222-455-J1	222-456-J1
Accessories						
Order number Refill kit	222-458-J1	222-459-J1	222-460-J1	222-461-J1	222-462-J1	222-463-J1

Marine emergency spill kits for use on open water

Ideal for oil tankers, oil vessels and shipping companies.

- All important absorbent materials, personal protective equipment and useful utensils for containing and removing oil spills on the surface of water are included in the kit.
- Absorbent materials float even when fully saturated.



Contents:

12 oil barriers 300 x 13 cm
600 absorbent mats 50 x 40 cm
2 absorbent rolls 45 m x 38 cm
20 absorbent socks 120 x 7.5 cm
15 absorbent cushions 25 x 25 cm
5 pairs goggles with elastic strap
5 pairs protective nitrile gloves
5 chemical protection overalls
5 reusable half masks
10 gas and combi filters
30 disposal bags, 120 litres
5 PE ziplock bags
2 hand shovels, 1 shovel
2 plastic buckets, 12 litres

Contents:

20 oil barriers 300 x 13 cm
800 mats 50 x 40 cm
1 oil sweep 30.5 m x 40 cm
2 absorbent rolls 45 m x 38 cm
54 socks 120 x 7.5 cm
15 cushions 25 x 25 cm
5 pairs goggles with elastic strap
5 pairs protective nitrile gloves
5 chemical protection overalls
5 reusable half masks
10 gas and combi filters
30 disposal bags, 120 litres
5 PE ziplock bags
2 hand shovels, 1 shovel
2 plastic buckets, 12 litres

Model	MAXI XL	MAXI XXL
Application - DENSORB	Oil	Oil
Design	For 7 barrels	For 12 barrels
Packing unit (VE)	2 safety boxes	3 safety boxes
Absorption capacity [l / pack]	1100	1900
Order number	215-891-J1	215-892-J1



Meets the OPA90 regulations (Oil Pollution Act 1990). OPA 90 defines requirements for the prevention and combating of oil spills and prescribes the carrying on board of absorption materials for the absorption of spilled oil on deck.

- Oil tankers with a length of up to 400 feet (120 m) require absorbent materials to absorb at least 7 barrels.
- Oil tankers with a length of over 400 feet (120 m) require absorbent materials to absorb at least 12 barrels.

NEW



Safety box Maxi




This extra large emergency spill kit contains various absorbent materials for the quick containment and absorption of large quantities of liquids.

- Ideal for providing large quantities of absorbent materials.
- Ideal for use outdoors.
- In addition to the high quality DENSORB absorbent materials, also includes granules, which strengthen the bund and restore grip to the floor after the leaked fluid has been removed.
- The safety boxes have a locking device for use with a padlock or seal, to protect the contents from unauthorised access.

Contents:

2 absorbent mat rolls 45 m x 38 cm
400 mats 50 x 40 cm
40 socks 120 x 7.5 cm
16 socks 300 x 7.5 cm
30 cushions 25 x 25 cm
3 sacks granules x 8 kg bzw. 10 kg
1 granule shovel, length 105 cm*
3 goggles with elastic strap
3 pairs protective gloves
75 disposal bags
*not included in refill set, please order separately

Model	SF 700		
Application - DENSORB	Oil	Universal	Special
Absorption capacity [l / pack]	748	742	742
External dimensions L x W x H [mm]	1400 x 1400 x 930	1400 x 1400 x 930	1400 x 1400 x 930
Order number	267-672-J1	267-673-J1	267-674-J1
Accessories			
Order number Refill kit	267-675-J1	267-676-J1	267-677-J1

	Product description	Oil binder type			Basic material	Absorption-capacity	not flammable	Application			Packaging			page
		Type I	Type II	Type III R				roads	water	buildings	bag	tub	bottle	
 UNIVERSAL	Universal coarse grain			✓	Diatom earth (Mole)	☹☹	✓	✓		✓	✓			416
	Universal fine grain			✓	Calcium silicate	☹☹	✓	✓		✓	✓			416
	Gran Sorb Universal				Cellulose	☹☹				✓	✓			416
	Universal extra coarse			✓	Sepiolite	☹	✓	✓		✓	✓			416
	Absodan Universal			✓	Diatom earth (Mole)	☹☹	✓	✓		✓	✓			415
	Absodan Plus			✓	Diatom earth (Mole)	☹☹	✓	✓		✓	✓			415
	Absodan SuperPlus			✓	Diatom earth (Mole)	☹☹	✓	✓		✓	✓			415
 OIL	Environmentally friendly, floating oil binder	✓	✓	✓	Peat	☹☹☹		✓	✓	✓	✓			417
	Floating oil binder	✓	✓	✓	Perlite	☹☹☹	✓		✓	✓	✓			417
	Quick-Sorb oil binder			✓	Polyurethane	☹☹☹				✓	✓			417
	All-weather oil binder			✓	Polyurethane	☹☹		✓		✓	✓	✓		417
 SPECIAL	Multi-Sorb with colour indicator			✓	Silicon dioxide	☹☹☹		✓		✓		✓	✓	418
	Multi-Sorb			✓	Diatomaceous earth	☹☹☹		✓		✓	✓		✓	418
	Oil and chemical binder			✓	Diatom earth (Mole)	☹☹	✓	✓		✓	✓			418



Universal binder Absodan

- Moler-based mineral granules (calcinated)
- Works quickly, safe to use and can collect all types of fluids from a firm surface: oils, acids, bases, aqueous and organic solutions
- Holds the absorbed liquids in the porous structure
- Chemically inert to all liquids (apart from hydrofluoric acid)
- Non-flammable in unused state

GritCaddy GRIT TROLLEY

- **Make sure granules, sand, absorbents and other granular materials are always available where you need them fast, both indoors and outdoors**
- Optimum centre of gravity to make handling easier
- Slightly sloping lid to ensure water runs off: can also be used as a carrying surface
- With smooth-running wheels and large, comfortable handle
- Weatherproof
- Easy to clean
- External dimensions W x D x H (mm): 700 x 670 x 1145
- Max. filling volume: 60 litres

Order no. 216-690-J1



Granules and compact hand shovels can be stowed away in the roomy storage area of the GritCaddy

Version	Absodan Universal	Absodan Plus		Absodan SuperPlus
Contents (kg)	20	10	20	10
Absorption capacity [l / pack]	16	9	19	10
Bulk weight [g/l]	507	533	533	542
Granule size min [mm]	1.00	0.50	0.50	0.30
Granule size max [mm]	3.0	1.0	1.0	0.7
Number of bags per pallet	36	78	36	78
Order number	256-705-J1	256-707-J1	256-706-J1	256-708-J1



UNIVERSAL – for oils, coolants, lubricants, solvents and aqueous solutions



BESTSELLER

Universal coarse granules

Model III R

- Moler-based mineral granules
- Large grain size enables use outdoors, for example on roads
- Chemically inert to all liquids (apart from hydrofluoric acid)
- High absorption capacity and performance
- Non-flammable in unused state



Universal Fine granules

Model III R

- Mineral granules based on calcium silicate hydrate
- Very fine grain
- High absorption capacity and performance
- The light colour helps identification of saturation level
- Non-flammable in unused state



Gran sorb Universal

Anti-static

- Granules based on recycled cellulose
- Dust free and easy to remove
- Immediately binds on contact with oils, solvents, cooling lubricants and other non aggressive liquids
- Suitable for smooth surfaces
- Non abrasive, does not damage workshop floors
- Very little ash residue when burned



Universal extra coarse

Model III R

- Sepiolite-based mineral granules
- Ideal for rough floors and outdoor surfaces with a high volume of traffic
- Chemically inert, non toxic
- The light colour helps identification of saturation level
- Non-flammable in unused state
- Maximum non-slip effect



The granules shown here, marked with the relevant classification, have been officially tested to the Requirements for oil binders (published by the BMU committee for storage and transport of water-polluting substances).

Suitability criteria for oil binders according to the BMU:

- Type I - for use on all open waters
 - Type II - for short-term use on small areas of open water and on land
 - Type III - for commercial and industrial use, on solid surfaces and traffic areas
- Suffix R guarantees sufficient roadway grip after use (skid resistance).**

Design	Universal Fine granules	Universal coarse granules		Gran sorb Universal	Universal extra coarse
Contents (kg)	20	10	20	14	20
Absorption capacity [l / pack]	27	8	16	16	9
Bulk weight [g/l]	595	500	500	512	720
Granule size min [mm]	0.13	1.00	1.00	0.40	0.50
Granule size max [mm]	1.0	3.0	3.0	3.4	6.0
Number of bags per pallet	36	78	36	65	55
Order number	170-113-J1	208-180-J1	119-252-J1	157-176-J1	157-215-J1

OIL – for oils, fuels and hydrocarbons, hydrophobic

Environmentally friendly, floating oil binder
Model I / II / III R

- Non-toxic natural product in biodegradable natural fibre
- Absorbs oil, diesel, heating oil, cutting oil, vegetable oil, oil-based solvents and other hydrocarbon-based liquids
- Can be used on the surface of water, roads or industrial floors
- Non abrasive, does not damage workshop floors
- Extremely high absorption capacity, excellent absorption properties


Floating oil binder
Model I / II / III R

- Perlite-based granules
- Hydrophobic and extremely light, floats even on turbulent water
- Excellent for containing oil on the surface of water and on roads and floors


Quick-sorb oil binder
Model I / II / III R SF

- Polyurethane foam-based granules
- Hydrophobic and floating
- Extremely quick absorption of oil
- Ideal for tiled and sealed flooring
- Non abrasive, does not damage workshop floors


All-weather oil binder
Model III R

- Polyurethane foam-based granules
- Hydrophobic and water-repellent
- Highly absorbent
- Suitable for roads and trafficked areas
- Can be effectively used even in rain and damp conditions



All-weather oil binder
in 6 kg bucket

Order no. 208-190-J1

Design	Environmentally friendly, floating oil binder	Floating oil binder	Quick-sorb oil binder		All-weather oil binder	
Contents (kg)	6	7	5	12	8	18
Absorption capacity [l / pack]	27	31	11	30	12	24
Bulk weight [g/l]	151	70	260	260	405	405
Granule size min [mm]	1	1	1	1	1	1
Granule size max [mm]	4	3	4	4	4	4
Number of bags per pallet	36	24	50	36	50	36
Order number	180-851-J1	119-254-J1	208-182-J1	157-218-J1	208-181-J1	123-167-J1



SPECIAL – for acids, alkalis, solvents and unknown chemicals

Oil and chemical binder

■ Model III R

This absorbent material is ideal for absorbing acids, bases (alkalis), flammable, aqueous and polar liquids. It is a calcinated, highly absorbent natural mineral, that is ideal for use on smooth and porous surfaces, both inside and outside. Not flammable in unused state.



Emergency spill kit for mercury leaks



■ Specially for taking up spilled mercury (up to 100 ml)

- Consisting of a can with a screwed lid containing a glued-in special foam insert.
- If the foam insert is lightly pressed against a mercury spillage, the pores open and absorb the balls of mercury.
- When the lid is tightened, the small balls are released and fall through the perforated plate into the can.



Order no. 256-709-J1

Chemical and acid binder, multi-sorb

■ Model III R

■ An absorbent for all hazardous materials

■ Can be used immediately and without risk, even by untrained staff

- Prevents emissions and condensation as it binds the hazardous materials immediately on contact
- Granules based on a polymer compound with high absorption capacity
- Hydrophilic and chemically inert, absorbs all liquids
- Non-flammable, non-oxidising and does not generate explosive dust
- Highly economical and easy to use, also suitable for creating a bund
- Can be spread by hand or with a conventional GRIT TROLLEY
- Easy to clean up with a broom or shovel or with a sweeper
- Low volume left for disposal so low disposal costs



TOP PRODUCT

Multi-Sorb chemical and acid binder with colour indicator: the indicator warns the user by changing colour for acids (yellow) or alkalis (red).



	Multi-sorb		Multi-sorb with colour indicator		Oil and chemical binder
Contents (kg)	0.4	10.0	0.4	5.0	10.0
Absorption capacity [l / pack]	1	18	1	9	10
Bulk weight [g/l]	425	425	425	425	530
Granule size min [mm]	0.13	0.13	0.13	0.13	0.30
Granule size max [mm]	0.5	0.5	0.5	0.5	0.7
Containers	400 G bottle	10 kg bag	400 G bottle	5 kg bucket	10 kg bag
Order number	157-219-J1	191-444-J1	201-755-J1	201-754-J1	159-823-J1

Granule supply trolley with sieve insert

- Absorbent materials are available for use at any time
- Available quickly and easily where needed
- Disposal costs are lower
- Practical design with two 55 litre chambers
- The supplied sieve fits on both chambers
- A roomy compartment offers space for utensils such as a shovel and broom
- The sturdy chassis with large, rubber-tyred wheels at the rear and castors at the front has 2 locking brakes
- The ergonomic handle ensures quick, easy transport to the incident site
- Made from chemical-resistant polyethylene



Granule supply trolleys with (optional) lids

	Granule supply trolley with sieve insert
External dimensions L x W x H [mm]	1195 x 660 x 1070
Order number	239-976-J1
Accessories	Lid for supply trolley
Order number	239-977-J1

Waste disposal trolley incl. 2 Containers

- Ideal for quick use of granules in the event of a leak
- Even when heavily loaded the 4 swivel castors ensure good manoeuvrability
- Uneven loads can easily be moved over uneven surfaces thanks to the central hinge
- Includes 2 containers with 120 and 170 litres capacity for supply and disposal
- The two-part chassis can be folded to save space

Order no. 123-168-J1



Conductive shovels for granules

- For distribution and disposal of granules
- Do not create an ignition source
- Ideal for granules that are saturated with flammable liquids
- Resistant to acids, alkalis and solvents
- Ergonomic shape
- Light and sturdy
- In quality, uv-stable plastic
- Smooth surface for easy cleaning
- Suitable for use in potentially explosive areas
- Ideal for handling explosive materials (e.G. Powder)
- Made of electrically conductive plastic
- The 35 cm wide shovel can contain over 5 litres of liquid
- Ergonomic shape (length 113 cm)



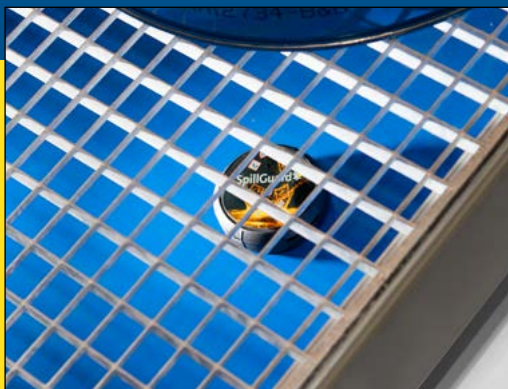
Order no. 201-665-J1

Anti-static shovels for granules

- For distribution and disposal of granules
- Ergonomic shape
- Light and sturdy
- In quality, uv-stable plastic
- Smooth surface for easy cleaning



External dimensions L x W [mm]	250 x 110	515 x 247	1045 x 257
Order number	119-237-J1	119-236-J1	119-235-J1



SpillGuard® in steel spill pallet for 205 litre drums



SpillGuard® in steel spill pallet for 1000 litre IBC

Application example

Tested spill pallets with approval for the storage of hazardous substances

From page
10



SpillGuard® in hazardous substances rack with spill trays for small containers in plastic



SpillGuard® in hazardous substances rack with spill trays for small containers in steel

Hazardous substance racking

From page
82



SpillGuard® in steel hazardous materials cabinet



SpillGuard® in plastic hazardous materials cabinet

Chemicals cabinet

From page
110



SpillGuard® in hazardous materials depot in steel



SpillGuard® in hazardous materials depot in plastic

Drum storage depots

From page
180

SpillGuard® hazardous substance leak warning system

INNOVATION

The first warning system of its type: fully autonomous, operational at the push of a button and suitable for fitting to any type of spill pallet, at any time. SpillGuard® reliably detects hazardous leaks and thus saves valuable time in rectifying the situation so that it does not become unnecessarily dangerous and expensive.

- ✓ **Simple installation:** put into position, switch on, stay safe!
- ✓ A **regular visual signal (red LED)** shows that the unit is operating safely over its entire life span.
- ✓ An **audible signal** lets you know in good time when SpillGuard® has reached the end of its life (up to 5 years) so you can replace it.
- ✓ Developed **for long term** use - with **approval for ATEX zone 0**
- ✓ An **audible and visual alarm** is given for a minimum of 24 hours when contact is made with a liquid hazardous substance.
- ✓ **Intelligent, robust sensor technology** in a highly resistant, electrically conductive housing guaranteeing simple and safe commissioning and use.

Order no. 271-433-J1



Designed for use with all essential and common liquid hazardous substances, see resistance list at www.denios.co.uk/spillguard. For media which are not included in the list, an individual laboratory test can be carried out to prove the suitability of SpillGuard® for reliably detecting the substance in question.



Neoprene sealing mats

- Prevents hazardous materials entering drains and sewers
- Thin material for flexible adaptation including for non-metal drains
- For simple, inexpensive prevention of small leaks
- Light, space-saving, reusable and quick to clean
- Storage box for up to 5 sealing mats, available as an accessory
- Ideal for using with DENSORB emergency spill kits

	Neoprene sealing mats			
External dimensions L x W [mm]	500 x 500	1000 x 1000	1200 x 1200	1400 x 1400
Field of use	Drain width max 200 mm	Drain width max 700 mm	Drain width max 900 mm	Drain width max 1100 mm
Order number	217-355-J1	216-516-J1	216-517-J1	216-518-J1
Accessories	Storage boxes for up to 5 sealing mats			
External dimensions L x W x H [mm]	675 x 190 x 210	1075 x 190 x 210	1275 x 190 x 210	1530 x 190 x 210
Order number	132-787-J1	132-789-J1	132-790-J1	169-484-J1



Magnetic sealant mats

- Hold reliably by magnetic force to all metal gully covers
- Weather- and temperature-resistant (-20 °C to +80 °C)
- Prevents hazardous materials entering drains and sewers
- Chemical-resistant and easy to clean
- Ideal for adapting to uneven flooring with dense, flexible material
- Storage box for up to 5 sealing mats, available as an accessory
- Ideal for using with DENSORB emergency spill kits

	Magnetic sealant mats		
External dimensions L x W [mm]	510 x 510	600 x 600	1000 x 1000
Order number	206-977-J1	206-978-J1	206-979-J1
Accessories	Storage boxes for up to 5 sealing mats		
External dimensions L x W x H [mm]	675 x 190 x 210	675 x 190 x 210	1075 x 190 x 210
Order number	132-787-J1	132-787-J1	132-789-J1

Order at the same time

Storage box with carry handle and lid, ready for mounting to a wall.



Accessory: storage boxes for sealant mats

Sealant mats should always be available close to the potential hazard location. Swift access is therefore possible and initial action to minimise the hazard can be taken immediately.

- Robust boxes in environmentally-friendly polyethylene (PE)
- Ready for wall mounting (including mounting kit)

Seminar - Emergency leak training

See page
402



Sealant mats

- The sealant mats prevent the unwanted penetration of liquids into the ground or sewage system in the event of leaks
- Ideal for sealing pipe connections and gulleys
- Resistant to water, oil and most chemicals
- The flexible plastic composite on the underside matches the floor surface perfectly and can be used several times



The extremely impervious, flexible material on the bottom adapts well to the surrounding ground conditions. The integral handle makes it really easy to use.



The white protective foil attached to the mat prevents the mat from „sticking“ when it is rolled up. Two velcro strips in signal red allow easy storage and quick access when needed.



Circular sealant mats, available in 2 sizes.

Diameter [mm]	450	850
Material thickness [mm]: 8		
Order number	137-713-J1	137-720-J1
Material thickness [mm]: 13		
Order number	259-465-J1	259-467-J1
Accessories Accessory: storage boxes for sealant mats		
External dimensions L x W x H [mm]	675 x 190 x 210	875 x 190 x 210
Order number	132-787-J1	132-788-J1

External dimensions L x W [mm]	400 x 400	500 x 500	600 x 600	700 x 700	800 x 800	900 x 900	1000 x 1000	1100 x 1100	1200 x 1200	1520 x 460
Material thickness [mm]: 8										
Order number	129-672-J1	259-450-J1	116-039-J1	259-451-J1	129-674-J1	259-452-J1	129-676-J1	259-453-J1	116-038-J1	259-454-J1
Material thickness [mm]: 13										
Order number	259-458-J1	259-468-J1	259-463-J1	259-459-J1	259-464-J1	259-460-J1	259-466-J1	259-461-J1	259-462-J1	156-402-J1
Accessories Accessory: storage boxes for sealant mats										
External dimensions L x W x H [mm]	475 x 190 x 210	675 x 190 x 210	875 x 190 x 210	1075 x 190 x 210	1275 x 190 x 210					
Order number	132-786-J1	132-787-J1	132-787-J1	132-788-J1	132-788-J1	132-789-J1	132-789-J1	132-790-J1	132-790-J1	—

- Seal off drains and gullies quickly
- No water-polluting substances can penetrate in the event of an incident or accident

Lockable drain cover

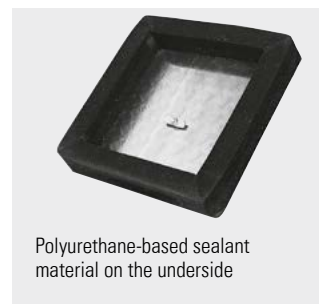
- Consisting of aluminium stud plate, locking mechanism and polyurethane-based sealant material
- Sealant material on the underside adapts to surface and provides tight seal
- Compensates for uneven surfaces up to 40 mm
- Drain cover is attached to the gully by means of a spring-loaded tension lever

2 sizes available:

- Lockable drain cover, 625 X 400 MM (approx. 5 kg), for drains in accordance with DIN (500 x 300 mm), Order no. 123-501-J1
- Lockable drain cover, 625 X 625 MM (approx. 7 kg), for drains in accordance with DIN (500 x 500 mm), Order no. 123-502-J1



Surface in aluminium, locking by spring loaded clamping lever



Polyurethane-based sealant material on the underside

Drain cover that can be driven over

- Consists of a 10 mm thick steel plate with a special seal running around the edge (H = 50 mm)
- The seal is compressed by its own weight and thereby levels out uneven surfaces



External dimensions L x W [mm]	625 x 625	750 x 750	1000 x 1000
Weight [kg]	32	45	80
Order number	130-305-J1	137-269-J1	137-272-J1

Order at the same time

- **Transport trolley** for quick and safe transport of drain seals; with a hinge mechanism. This enables the drain seal to be transported easily to the place where it will be used and can be positioned exactly on the drain
- **Stands**, for stable storage of the drive-over drain cover near the drain to be secured
- **Wall mounting** for safe fitting of the drain cover



Transport trolley



Stands

Accessories	Order number
Transport trolley	130-307-J1
Stands	130-309-J1
Wall mount	130-310-J1

Sealing cushion

- **Handy and ready to use at any time after filling with frost-proof liquid**
- Weatherproof and tear-resistant
- Resistant to many acids and alkalis
- Can be used at -30 °C to +70 °C
- Dimensions W x D (mm): 700 x 700
- With tough stainless steel carry handle
- Practical stainless steel wall holder available as an accessory

Order at the same time

Wall mounted stainless steel unit



Order no. 208-738-J1



Ready to use in an instant: sealant cushions for filling with frost-proof liquid, Order no. 208-054-J1

Flexible drain cover

- **For rapidly protecting drains in emergencies and for prevention**
- **In emergencies and for prevention**

- Offers safe protection from penetrating liquids even for irregular geometries
- In chemical-resistant polyethylene
- Easy to clean
- For filling with compressed air
- With Euro plug coupling and pressure release valve
- Compressed air hoses and stop valves as well as storage boxes available as accessories

Model	K1	K2
External diameter [mm]	400	800
Order number	201-662-J1	202-296-J1
Accessories	Storage boxes for drain seals	
External dimensions L x W x H [mm]	1075 x 190 x 210	1275 x 190 x 210
Order number	132-789-J1	132-790-J1

Storage box with carry handle and lid, ready for mounting to a wall.



Accessories	Order number
Compressed air hose, 10 m, black, with coupling and nozzle	202-299-J1
Compressed air hose, 20 m, black, with coupling and nozzle	202-300-J1
Ball cock for compressed air	202-301-J1



Flexible separation barriers

- For limiting and retaining escaped liquids e.g. at drains
- The special plastic composite is resistant to water, hydrocarbons and many other chemicals
- Sticks to the floor and can be reused after washing with soapy water

The specially formed barrier ends also make it possible to link several barriers securely



Spill barrier Ring, Ø 400 mm to protect against leaking liquids, for example when undertaking filling procedures over work and laboratory benches etc., Order no. 130-516-J1



Spill barrier (3 M) with convenient grips

The extremely impervious, flexible material on the bottom adapts well to the surrounding ground conditions

External dimensions L x W x H [mm]	2000 x 45 x 50	2000 x 70 x 100	3000 x 70 x 100
Order number	130-515-J1	259-455-J1	116-046-J1



Carry case with one sealant plug of each size, average diameter 51, 76 and 103 mm

SET PRICE

Order no. 116-057-J1

Sealing plugs

- E.g. for sealing drains or pipes



Average diameter [mm]	51	76	103	150	200
Order number	116-054-J1	116-055-J1	116-056-J1	259-456-J1	259-457-J1

Drip trays

- An effective immediate treatment for leaks on roofs, ceilings and pipes
- Light, heavy duty material for simple handling and storage
- Reliable and reusable
- Incl. eyes for quick, easy mounting, e.g. using cable ties or straps
- Outlet (flow: more than 12 litres per minute) with hose connection and locking cap
- Hose with fitting for controlled drainage of liquids available as an accessory



There's even more choice
in the shop!

» www.denios.co.uk

Order at the same time



Suitable drain hose (7.6 metres)
with connecting piece,
Order no. 265-570-J1

Seminar - Emergency leak training

See page
402



NEW

Order no. 265-565-J1

External dimensions L x W [mm]	900 x 900	1500 x 1500	3000 x 1800	3000 x 3000	3700 x 3000
Order number	265-565-J1	265-566-J1	265-567-J1	265-568-J1	265-569-J1

Polyurethane drum bandages (PU)

- **Fastens on easily and quickly**
- For steel and plastic drums
- Resistant to oil and many acids and alkali
- Nylon belt (4 M long) with a practical velcro fastener
- Bandage dimensions L x W (mm): 300 x 180

Drum bandage in practical carry case,
dimensions W x D x H (mm): 380 x 300 x 90



Order no. 116-035-J1



Fold away re-usable leakage sumps

- Practical carry bag available as accessory
- Compact when packed up
- Small investment to prevent substantial consequential costs
- Quick and easy to use, for example in an emergency or also as prevention in an area at risk/ hazardous situation
- Also suitable for temporary storage of chemicals
- Chemically-resistant to heating oil, diesel, petrol, hydraulic oil, etc
- With integral level indicator
- Can also be used as a sheet or basin (e.g. For decontamination)
- Practical carry bag available as accessory



Thanks to a highly compact folded down size, the flexible reusable sump can be stored on emergency fire vehicles for example



Tested spill pallets with approval for the storage of hazardous substances



From page
10

Seminar - Emergency leak training

See page
402



Flexible sumps

Step 1: unpack

Folded up and packed in robust bags (optional accessory, see table), the versatile sumps can also be carried on vehicles, taking up minimal space



Step 2: set UP

It only takes seconds to fold out the reusable sump and erect it



Step 3: use

The flexible, reusable leakage spill pallets with 210 or 300 litre volume fit Euro or chemical pallets perfectly. For convenient loading with a forklift, one side is briefly lowered and then closed again to prevent liquid escaping.



Step 4: seal

The locks which are easy to use and corrosion-resistant ensure that handling in the event of a leak is quick and safe



Sump capacity [l]	25	45	75	175	210	300	900	1600
External dimensions L x W x H [mm]	700 x 350 x 125	600 x 600 x 180	700 x 700 x 175	1000 x 1000 x 200	1240 x 840 x 225	1240 x 1240 x 225	1500 x 1500 x 425	2000 x 2000 x 425
Order number	206-980-J1	248-769-J1	206-981-J1	206-983-J1	206-987-J1	206-984-J1	206-985-J1	206-986-J1
Accessories	Bag							
Order number	206-989-J1	206-989-J1	206-989-J1	206-989-J1	206-989-J1	206-990-J1	206-990-J1	257-201-J1

Leak spill pallets

- For protection from everyday, irritating drips and small leaks
- For jugs, buckets, canisters and small drums
- Keeps floors clean and slip-free
- Optimum design with practical pouring spout and integral holder for bung closures
- Ideal for dispensing processes with small containers



Integrated pouring spout for controlled emptying



Practical storage facility for bung closures



NEW

Robust leak spill pallet with ergonomic handles, spout and practical storage area for container lid, volume 45 litres, dimensions W x H (mm): 728 x 200



Go online! Discover even more exciting product highlights!

» www.denios.co.uk



Sump capacity [l]	30	45	80
External dimensions L x W x H [mm]	558 x 538 x 191	728 x 728 x 200	915 x 915 x 200
Order number	265-580-J1	270-601-J1	265-579-J1



T-coded drum overpacks

- Approved for salvage and transport
- **Rapid, Universal aid for fire service, plant security, harbour authorities, carriers and waste management**
- Approved for transport in accordance with ADR, RID and IMDG code
- In steel, painted black on the outside
- With removable lid and clamping ring, including lever lock
- With reinforcement beading for lateral stability
- UN approval 1A2 T / Y446 / S / ... / D / BAM...

Order no. 157-698-J1



Salvage drum with 205 litre drum inside
(205 litre drum not included in delivery)

Accessories

Suitable for

Overall load capacity [kg]

Order number

Drum tongs FZ 600

Can be used with 205 litre steel ribbed or clamping ring drums in salvage drums and drum overpacks

Drum lifting chain FGH

Can be used with 110 and 220 litre plastic L-ring drums and 60 and 205 litre steel ribbed drums in salvage drums and drum overpacks

350

115-256-J1

300

115-187-J1

Drum overpacks in polyethylene (PE)

- With UN approval (packaging group I: High risk substances)
- Wide opening for comfortably storing a damaged drum for example
- Resistant to acids, alkalis and many aggressive chemicals
- Warning yellow colour
- Transportable by forklift
- With a practical screw lid

DENSORB Varioform - a multifomat, highly absorbent material, which can also be used as a cloth



See page 399



NEW

Nestable to save space when empty



Capacity [l]	76	114	189	245	360	360	390
Version	Without castors	Without castors	With castors	Without castors	Without castors	With castors	Without castors
External diameter [mm]	570	570	610	700	800	800	800
Height, external [mm]	480	760	1150	950	1020	1210	1140
Un-approved,	1H2/X75/S...	1H2/X100/S...	1H2/X125/S...	1H2/X200/S...	1H2/X295/S...	1H2/X113/S...	1H2/X295/S...
Order number	265-546-J1	265-547-J1	265-549-J1	265-548-J1	265-545-J1	265-550-J1	267-229-J1

Order at the same time

Drum dollies type DT6 for drum overpacks

- For the safe transport of 205 litre steel drums, salvage drums and drum overpacks
- In galvanised steel
- Adjustable from Ø 680 to 840 mm
- Easy to move on 4 swivel castors

Design	Electrically conductive	Non-electrically conductive
Order number	127-147-J1	115-199-J1



3

FUEL TANKS AND TRANSPORT CONTAINERS

STORE GOODS

Refuelling, storage, disposal, safekeeping or transport. In modern industry, there is a suitable container for everything, from bulk goods to waste. As a long-standing partner to industry, DENIOS has put together a comprehensive, demand-oriented range of container solutions to meet every need for manufacturing industries.



440 Drums, IBCs, canisters



454 Narrow and wide necked bottles





458 Safety jugs and containers



464 FALCON dispensing jugs Lubriflex



Storage and disposal tanks

- For collecting, storing, transporting and disposing of water-polluting substances
- With DIBt approval and transport approval to GGVS/GGVE for packaging groups II + III



	Storage and disposal tanks	
Capacity [l]	700	1000
External dimensions L x W x H [mm]	1135 x 757 x 1210	1135 x 757 x 1640
Order number	117-773-J1	117-777-J1

For indoor use (zone 2)

- Sturdy exterior, galvanised, manufactured from steel with a steel tube pallet which is accessible underneath
- Fuel tank interior manufactured from PE, is corrosion resistant and maintenance free
- 4 separate pipes for filling and emptying – 2" internal thread
- Visual leak and fill level indicator as standard
- Ideal for the storage of oils and diesel

BEST PRICE

Order no. 117-773-J1

Order at the same time

Fittings



Connection valve to fill up from tankers,
Order no. 117-802-J1



Suction extraction pipe TA 700,
Order no. 117-783-J1
Suction extraction pipe for emptying
fuel, for TA 1000,
Order no. 130-199-J1



Valve optionally available
Order no. 274-258-J1

DENSORB absorbent materials set - mobile and/or stationary

See page
401



Lockable funnel with
filter insert,
Order no. 117-781-J1



2 step, step ladder, size W x D x H (mm):
620 x 630 x 400,
Order no. 117-782-J1



Standard equipment with level indicator

Diagram:

Key

1. Steel casing
2. PE inner container
3. Filler pipe
4. Level indicator
5. Pipe to be used as required
6. Pipe for emptying
7. Steel tube pallet
8. Optical display to show leakages



Order at the same time

Dispensing pumps



Electro pump WA 50-n for filling up
diesel and used oil, with an automatic
nozzle incl. A console attachment
(optional through flow meter),
Order no. 117-608-J1



Electric pump model HP with standard
nozzle valve (flowmeter optional),
Order no. 117-541-J1



Hand pump to be used with fuel tank TA
for filling up diesel and used oils,
Order no. 117-570-J1

Flow meter



For electric pump model HP 40,
Order no. 173-295-J1

For electric pump model W,
Order no. 173-296-J1



Storage and dispensing containers in plastic

- Cylindrical container made of food-safe uv-stabilised polyethylene(PE)
- With large mounting bridge for individual attachment of pumps, stirrers etc
- Moulded threaded socket (3/4")
- 3/4" sealant plug with an EPDM seal
- Also suitable for light-sensitive media
- Lockable screw lid DN160 with EPDM seal



Storage and dispensing containers with a measuring scale

Storage and dispensing containers with capacities from 200 to 500 litres



DIBt

General technical approval
– Z-40.22-518

Accessory: collection carboy

- Suitable for Storage Containers and jugs
- For safe absorption of leakages and drip loss
- Uv-stabilised, food safe
- Sintered litre scale

Collection containers for storage and dispensing containers, in natural or black, volumes of 80 to 1000 litres

Order at the same time



Plug lock for cylindrical containers from 60 to 1000 litres, Order no. 256-918-J1

PE drum funnel with lid, for containers from 205 litre volume. Order no. 256-919-J1



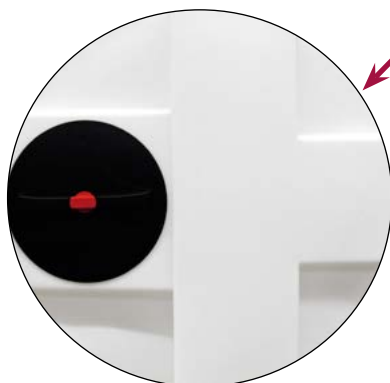
Capacity [l]	35	60	100	200	300	500	750	1000
Ø x H [mm]	320 x 540	420 x 640	450 x 810	550 x 1030	655 x 1110	770 x 1230	970 x 1170	1080 x 1260
Order number Transparent	270-475-J1	136-931-J1	136-933-J1	136-934-J1	136-936-J1	136-937-J1	136-939-J1	136-940-J1
Order number Black	270-476-J1	136-943-J1	136-964-J1	136-966-J1	136-967-J1	136-968-J1	136-969-J1	136-972-J1
Accessories	Accessory: collection carboy							
Capacity [l]	–	80	120	210	400	500	750	1000
Ø x H [mm]	–	500 x 540	500 x 700	650 x 740	770 x 970	860 x 980	1050 x 980	1150 x 1080
DIBt approval	–	Z-40.22-518	Z-40.22-518	Z-40.22-518	Z-40.22-518	Z-40.22-518	Z-40.22-518	Z-40.22-518
Order number Transparent	–	179-694-J1	179-695-J1	179-697-J1	179-698-J1	179-699-J1	179-700-J1	179-701-J1
Order number Black	–	179-702-J1	179-703-J1	179-705-J1	179-706-J1	179-707-J1	179-708-J1	179-709-J1



Please always order accessories with the container.

Large volume storage and dispensing containers

- Cylindrical container made of food-safe, chemical resistant, UV-stabilised polyethylene (LLD-PE)
- With large, eccentric opening DN 380 for easy filling
- Screwed lid with vent
- With sintered volume scale so the filling level can easily be read at any time
- With marked areas for mounting fittings
- Natural transparent



The T shaped mounting plate offers plenty of space for fittings.



Fitting of accessories included!

Storage and dispensing containers with a capacity from 1100 to 3000 litres.

	Large volume storage and dispensing containers							
Capacity [l]	1100	1400	1700	2000	2050	2400	2500	3000
Ø x H [mm]	1100 x 1340	1100 x 1660	1210 x 1625	1310 x 1715	1210 x 2000	1310 x 1950	1470 x 1660	1470 x 1965
Order number	256-910-J1	256-911-J1	256-912-J1	256-913-J1	257-229-J1	256-914-J1	256-915-J1	256-916-J1



Rectangular dispensing container

- In food-safe, chemical resistant, UV-stabilised polyethylene (LLD-PE)
- With rectangular fitting area
- Lockable screwed lid DN 160 with EPDM seal
- Sintered litre scale for checking the filling level
- With moulded thread socket 3/4", which can be drilled out for emptying the container4 moulded nuts M6 for mounting to the floor (supplied without mounting brackets)

Order no. 256-917-J1

Rectangular dispensing container, 250 litre capacity, L x W x H (mm): 550 x 550 x 1060

Comprehensive accessories for storage and dispensing containers

DENIOS.
onlineshop



Plastic drums in 6 sizes, from 10 to 125 litres

Drums in plastic with drain Tap

- Manufactured from food-safe, impact proof and shock proof polyethylene (PE)
- Suitable for the safe storage of chemicals
- Resistant to many acids and alkalis
- With transparent material the fill level is easy to see from outside
- Fitted with locking cap, drain pipe (Ø 34 mm) and tap (NW 10 or 15) and screw lid

Folding leak spill
pallets, reusable

See page
428



Capacity [l]	10	15	30	50	80	125
Ø x H [mm]	240 x 310	300 x 340	330 x 460	330 x 680	480 x 620	480 x 840
Design	Opening 120 mm, 1 handle, outlet NW 10	Opening 120 mm, 1 handle, outlet NW 10	Opening 120 mm, 2 handles	Opening 120 mm, 2 handles, outlet NW 10	Opening 200 mm, 2 handles, outlet NW 15	Opening 200 mm, 2 handles, outlet NW 15
Order number	117-934-J1	117-935-J1	117-936-J1	144-873-J1	117-937-J1	117-939-J1

Plastic dispensing jugs

- For safe dispensing and filling of chemicals, oils, etc.

Set:
consisting of A 1 litre, 2 litre and 5 litre
dispensing jug

SET PRICE

Order no. 148-143-J1



Capacity [l]	1	2	5
Colour	Red	Red	Transparent
Order number	117-408-J1	117-409-J1	117-410-J1

Space saving tanks in plastic with drain Tap

- In food-safe polyethylene (PE)
- Suitable for the safe storage of chemicals
- Resistant to many acids and alkalis (specific weight max. 1 Kg/l)
- 2-part screw lid (Ø 200 mm) and dispensing tap NW18 included
- Dispensing nozzle Ø 34 mm
- Locking cap with seal
- Compact and stackable (when used with optional stacking frames)



Space-saving carboy
with stacking frame



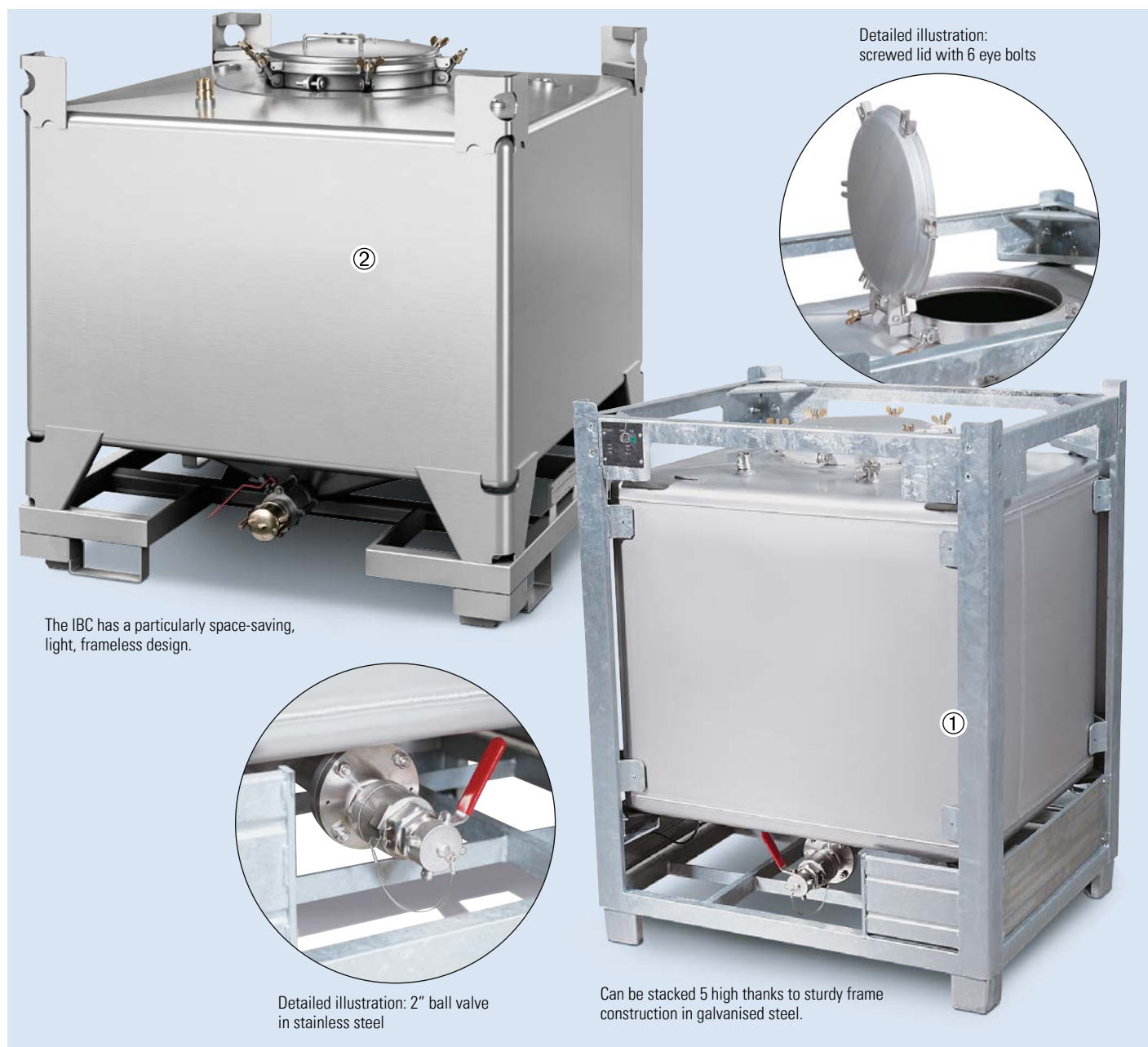
Capacity [l]	60	100	150	200	300	500
External dimensions L x W x H [mm]	520 x 355 x 530	600 x 410 x 610	680 x 470 x 710	810 x 500 x 770	880 x 610 x 880	1050 x 700 x 1010
Order number	189-262-J1	117-940-J1	117-941-J1	117-942-J1	117-943-J1	117-944-J1
Accessories	Stackable steel rack					
Order number	189-263-J1	117-945-J1	117-946-J1	117-947-J1	117-948-J1	117-949-J1

IBC in stainless steel

- Approved for liquid hazardous substances in packaging groups II and III
- Storage of high value raw materials or aggressive chemicals
- Collect hazardous waste materials or residues for later disposal

- Suitable for active and passive storage as dispensing or collection containers
- Approval number UN 31A/Y/..
- The tank is in high quality stainless steel (1.4301)
- Accessible underneath by industrial trucks as well as movable using a crane and stackable

- The upper section has a manhole DN 400 with screwed lid (NBR seal) and 6 eye bolts, safety valve (preset to 0.4 Bar) and vent slits
- The bottom level has a ball valve with stainless steel locking cap for optimum emptying of residue
- Also available in food safe design



	IBC in stainless steel	
Capacity [l]	1000	1000
External dimensions L x W x H [mm]	1215 x 1015 x 1550	1150 x 1150 x 1160
Weight [kg]	214	160
Design	Can be stacked 5 high	Can be stacked 2 high (filled) or 3 high (empty)
Order number	137-266-J1	257-240-J1
Order number Food safe	260-139-J1	260-140-J1

Spill pallets for IBCs in stainless steel

See page
48



IBC container

- Container in HDPE, UV stabilised
- Sturdy, galvanised steel tube grids
- Can be stacked to save space
- Large panel for labelling
- Sealable inlet and outlet
- With PE, wood, steel frame or steel skid pallet
- Inlet in DN 150 or DN 225
- Outlet in DN 50 or DN 80

NEW



Capacity [l]	600	600	800	1000	1000	1000	1000	1000	1000	1000	1000
Colour	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Black
External dimensions L x W [mm]	1200 x 800	1200 x 800	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000
Height, external [mm]	1000	1000	1000	1160	1160	1160	1160	1160	1160	1160	1160
Filler opening	DN 150	DN 225	DN 150	DN 150	DN 225	DN 150	DN 225	DN 150	DN 150	DN 225	DN 150
Outlet	DN 50	DN 80	DN 50	DN 50	DN 50	DN 50	DN 50	DN 50	DN 80	DN 50	DN 50
Pallets	PE	PE	PE	Wood	Composite	PE	PE	Steel frame	Steel runner	Steel runner	PE
Order number	266-151-J1	266-152-J1	266-153-J1	266-154-J1	266-155-J1	266-156-J1	266-157-J1	266-158-J1	266-159-J1	266-160-J1	266-161-J1



NEW

IBC hazardous goods container



- With UN approval UN 31HA1/Y/..
- Container in HDPE, UV stabilised
- Sturdy, galvanised steel tube grids
- Can be stacked to save space
- Large plate for labels
- Sealable inlet and outlet
- With PE, wood or steel skid pallet
- Inlet in DN 150 or DN 225
- Outlet in DN 50 or DN 80

Capacity [l]	600	600	800	1000	1000	1000	1000	1000	1000	1000	1000
Colour	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Black	Black
External dimensions L x W [mm]	1200 x 800	1200 x 800	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000
Height, external [mm]	1000	1000	1000	1160	1160	1160	1160	1160	1160	1160	1160
Filler opening	DN 150	DN 225	DN 150	DN 150	DN 225	DN 150	DN 225	DN 150	DN 150	DN 150	DN 225
Outlet	DN 50	DN 80	DN 50	DN 50	DN 50	DN 50	DN 50	DN 50	DN 80	DN 50	DN 50
Pallets	PE	PE	PE	Composite	Composite	PE	PE	Steel runner	PE	PE	PE
Order number	266-162-J1	266-163-J1	266-164-J1	266-165-J1	266-166-J1	266-167-J1	266-168-J1	266-169-J1	266-170-J1	266-171-J1	

IBC hazardous goods container in Ex-proof design

- With UN approval UN 31HA1/Y/..
- With antistatic external layer - can be used in Ex zones 1 and 2
- Fittings earth the contents
- Can be used for goods with a maximum density of 1.6
- Container in HDPE, UV stabilised
- Sturdy, galvanised steel tube grids
- Can be stacked to save space
- Large panel for labelling
- Sealable inlet and outlet
- With PE or steel skid pallet
- Inlet in DN 150 or DN 225
- Outlet in DN 50 or DN 80

NEW

With antistatic external layer - can be used in Ex zones 1 and 2



Capacity [l]	1000	1000	1000
External dimensions L x W [mm]	1200 x 1000	1200 x 1000	1200 x 1000
Height, external [mm]	1160	1160	1160
Filler opening	DN 150	DN 150	DN 225
Outlet	DN 50	DN 50	DN 80
Pallets	PE	Steel runner	Steel runner
Certificate	Food safe	Food safe	—
Order number	266-173-J1	266-174-J1	266-175-J1

IBC hazardous goods container in Ex-proof design

- With steel casing - for avoidance of electrostatic charge
- Steel casing prevents the container accumulating charge
- Can be used in Ex zones 1 and 2
- With UN approval UN 31HA1/Y/..
- Especially resistant to mechanical and thermal loads
- Sturdy, galvanised steel tube grids
- Can be stacked to save space
- Large panel for labelling
- Sealable inlet and outlet

NEW

Order no. 266-172-J1



IBC hazardous goods container with ball valve

- With exchangeable 2" ball valve with Viton seal
- With pressure relief valve in screw lid
- With UN approval 31HA1/Y/..
- Container in HDPE, UV stabilised
- Sturdy, galvanised steel tube grids
- Can be stacked to save space

NEW

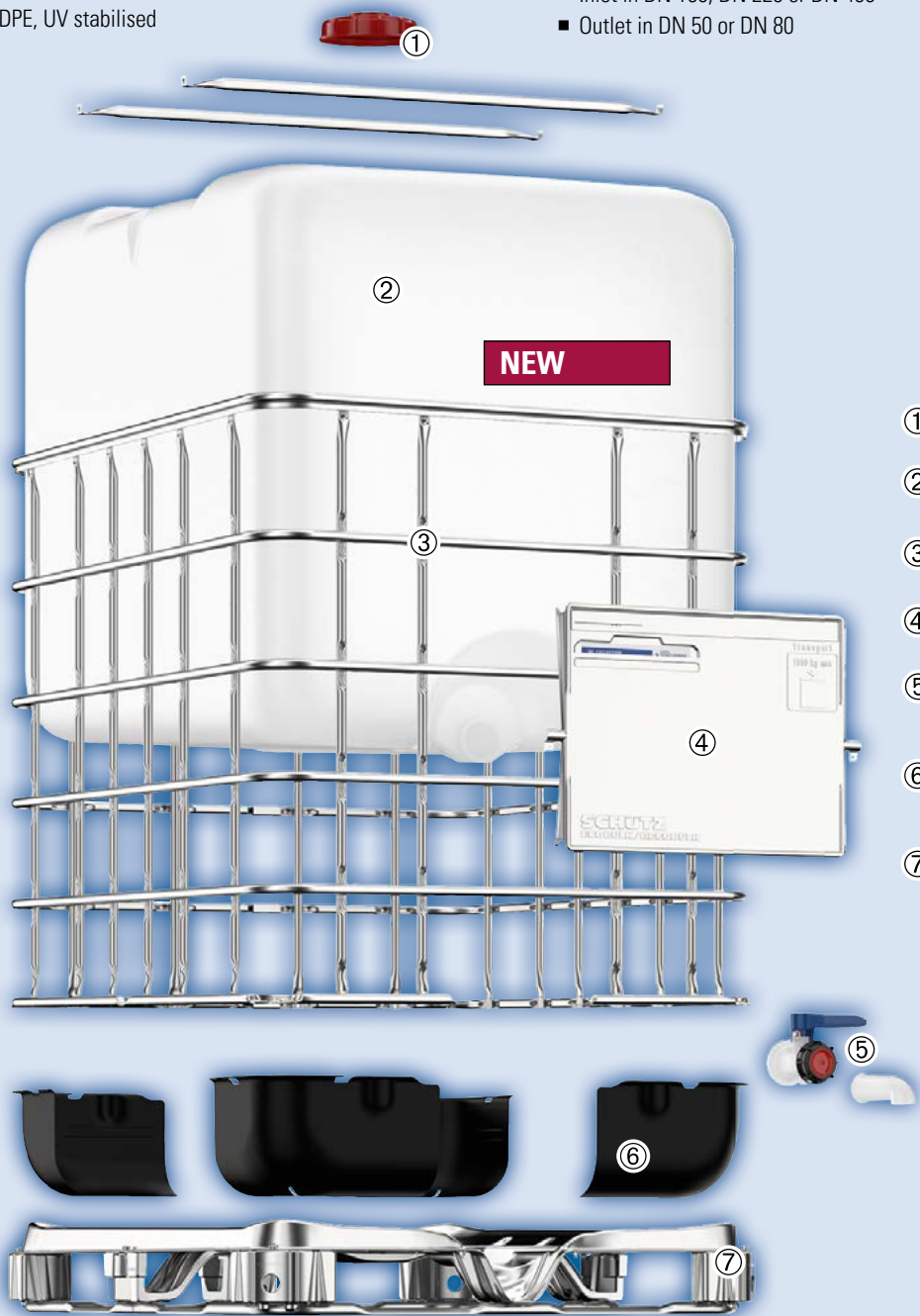
Capacity [l]	1000	1000
External dimensions L x W [mm]	1200 x 1000	1200 x 1000
Height, external [mm]	1171	1171
Filler opening	DN 150	DN 225
Outlet	DN 50	DN 50
Pallets	PE	PE
Order number	267-852-J1	267-853-J1



Reconditioned IBC Recobulk

RECOBULK

- Reconditioned IBC
- Cost-effective and environmentally-friendly
- All parts which come into contact with the product are new (inner container, screw cap, label panel and fittings), mesh box and pallet are cleaned and tested
- Outlet with welded sealing cap
- Container in HDPE, UV stabilised
- Sturdy, galvanised steel tube grids
- Can be stacked to save space
- Large panel for labelling
- Sealable inlet and outlet
- With PE, wood, steel frame or steel skid pallet
- Inlet in DN 150, DN 225 or DN 400
- Outlet in DN 50 or DN 80



- ① New screw cap
- ② Brand new inner container
- ③ Cleaned mesh basket
- ④ New label panel
- ⑤ New original-sealed fittings
- ⑥ Cleaning and replacement of the corner protectors if necessary
- ⑦ Cleaning and repair of the pallet if necessary

i Reconditioning describes the process of reprocessing used plastic containers, steel drums and IBC containers. Reconditioned IBCs are not just a cost-effective alternative for the user, but also preserve valuable resources to help protect the environment.

Capacity [l]	1000	1000	1000	1000	1000	1000	1000	1000	1000
External dimensions L x W [mm]	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000
Height, external [mm]	1160	1160	1160	1160	1160	1160	1160	1160	1160
Filler opening	DN 150	DN 225	DN 150	DN 225	DN 150	DN 400	DN 225	DN 225	DN 225
Outlet	DN 50	DN 50	DN 50	DN 80	DN 50	DN 80	DN 50	DN 80	DN 80
Pallets	Wood	Wood	PE	PE	Steel frame	Steel frame	Steel runner	Steel runner	Steel runner
Order number	266-176-J1	266-177-J1	266-179-J1	266-181-J1	266-183-J1	266-186-J1	266-188-J1	266-189-J1	266-189-J1



Reconditioned IBC Recobulk with UN approval

- Reconditioned IBC
- Cost-effective and environmentally-friendly
- All parts which come into contact with the product are new (inner container, screw cap, label panel and fittings), mesh box and pallet are cleaned and tested
- Outlet with welded sealing cap
- With UN approval UN 31HA1/Y/..
- Container in HDPE, UV stabilised
- Sturdy, galvanised steel tube grids
- Can be stacked to save space
- Large panel for labelling
- Sealable inlet and outlet
- With wood, PE, steel frame or steel skid pallet
- Inlet in DN 150 or DN 225
- Outlet in DN 50 or DN 80

Capacity [l]	1000	1000	1000	1000	1000	1000	1000
External dimensions L x W [mm]	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000
Height, external [mm]	1160	1160	1160	1160	1160	1160	1160
Filler opening	DN 150	DN 150	DN 225	DN 150	DN 225	DN 150	DN 225
Outlet	DN 80	DN 50	DN 50	DN 80	DN 50	DN 50	DN 50
Pallets	Wood	PE	PE	Steel frame	Steel frame	Steel runner	Steel runner
Order number	266-191-J1	266-193-J1	266-195-J1	266-197-J1	266-198-J1	266-199-J1	266-201-J1

Reconditioned IBC Recobulk with UN approval and UV protection

- Reconditioned IBC
- Cost-effective and environmentally-friendly
- All parts which come into contact with the product are new (inner container, screw cap, label panel and fittings), mesh box and pallet are cleaned and tested
- Container in black HDPE for additional UV protection
- With UN approval UN 31HA1/Y/..
- Sturdy, galvanised steel tube grids
- Can be stacked to save space
- Large panel for labelling
- Sealable inlet and outlet
- With wood, PE or steel skid pallet
- Inlet in DN 150 or DN 225
- Outlet in DN 50 or DN 80



Capacity [l]	1000	1000	1000	1000	1000
External dimensions L x W [mm]	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000
Height, external [mm]	1160	1160	1160	1160	1160
Filler opening	DN 225	DN 150	DN 225	DN 225	DN 225
Outlet	DN 80	DN 80	DN 50	DN 50	DN 80
Pallets	Wood	PE	PE	Steel runner	Steel runner
Order number	266-202-J1	266-203-J1	266-204-J1	266-207-J1	266-208-J1



Stainless steel bung drum

- For food use and also suitable for aggressive and highly corrosive contents
- Suitable for filling temperatures up to 200°C
- With UN approval
- Bottom crimped without sealant then welded around the circumference
- Lid with 2" and 3/4" bung and PE seal
- Shell with 2 rings

NEW



Capacity [l]	30.0	120.0	216.5
Ø x H [mm]	312 x 295	478 x 785	595 x 880
Material no.	1.4301	1.4404	1.4404
Bung thread 1	3/4"	3/4"	3/4"
Bung thread 2	2" TriSure	2" TriSure	2" TriSure
UN approval	1A2/X1.6/250/..	1A1/X1.2/350/..	1A1/X1.6/250/...
Order number	269-236-J1	269-237-J1	269-238-J1

Stainless steel lidded drums

- Especially suited to food use and also suitable for aggressive and highly corrosive contents
- Suitable for filling temperatures up to 200°C
- Bottom crimped without sealant then welded around the circumference
- Lid with 2" and 3/4" bung and PE seal
- Stainless steel clamping ring and lid with EPDM seal

NEW



Capacity [l]	30.0	60.0	120.0	213.0	213.0	213.0
Ø x H [mm]	325 x 360	410 x 585	498 x 795	615 x 890	615 x 890	615 x 890
Material no.	1.4404	1.4301	1.4404	1.4401	1.4404	1.4404
Bung thread 1	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Bung thread 2	2" TriSure	2" TriSure	2" TriSure	2" TriSure	2" TriSure	2" TriSure
UN approval	–	–	–	1A2/X220/S/...	1A2/X220/S/...	1A2/X250/S/...
Order number	269-230-J1	269-231-J1	269-232-J1	269-233-J1	269-234-J1	269-235-J1

Drum top workstation

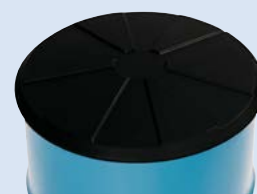
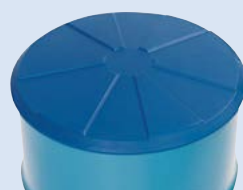
- Safety dispensing lid effectively prevents contamination
- Safely restrains dripping residue
- For 205 litre steel bung hole drums
- Openings for 3/4" and 2" bung hole - for using pumps and/or fill-level indicators
- Grooved storage area ensures dispensing containers stand securely

Diameter: 610 mm,
height: 40 mm,
Order no. 164-366-J1



PE drum lid

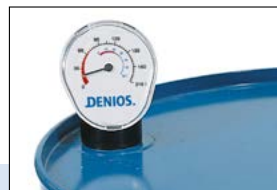
- **Effective protection of the drum contents**
- Manufactured from environmentally friendly polyethylene (PE)
- Suitable for 205 litre drums
- The lip around the edge (approx. 20 mm high) prevents items falling
- Electrically conductive version (tUV-tested)



Accessories	Order number
PE Drum lid, Model DR, blue	114-743-J1
Drum lid DR in polyethylene (PE), electrically conductive, black	186-543-J1

Drums in steel, 60 and 205 litres

- With UN approval
- With 3/4" and 2" bung screw connection
- Exterior painted



Level indicator Model FS, for 60 and 205 litre drums with 3/4" bung hole, suitable for oils, antifreeze, diesel and heating oil.
Order no. 137-715-J1



Capacity [l]	30.0	30.0	60.0	60.0	120.0	120.0	216.5	216.5
Ø x H [mm]	280 x 532	280 x 532	395 x 570	355 x 655	460 x 823	460 x 823	585 x 882	585 x 884
Bung thread 1	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Bung thread 2	2" TriSure	2" TriSure	2" BSP	2" TriSure	2" TriSure	2" TriSure	2" BSP	2" TriSure
Inner surface	Raw	painted	Raw	painted	Raw	painted	Raw	painted
Un-approved,	1A1/X1.2/250/...	1A1/X1.2/250/...	1A1/X1.6/250...	1A1/X1.2/250/...	1A1/Y1.2/100/...	1A1/Y1.2/100/...	1A1/X1.2/250/...	1A1/Y1.8/250/...
Order number	266-144-J1	266-145-J1	122-851-J1	266-146-J1	266-147-J1	266-148-J1	117-976-J1	266-149-J1

Lidded drums in steel, 60 to 205 litres

- With UN approval
- Exterior painted



Capacity [l]	60.0	60.0	120.0	120.0	212.0	212.0	212.0	212.0
Ø x H [mm]	375 x 615	398 x 575	453 x 830	453 x 830	610 x 880	610 x 880	610 x 880	610 x 880
Bung thread 1	—	—	—	—	—	—	3/4"	3/4"
Bung thread 2	—	—	—	—	—	—	2" BSP	2" BSP
Inner surface	Raw	painted	Raw	painted	Raw	painted	Raw	painted
Un-approved,	1A2/X65/S/...	1A2/X100/S...	1A2/X170/S...	1A2/X170/S...	1A2/X420/S...	1A2/X420/S...	1A2/X420/S...	1A2/X420/S...
UN approval	—	—	—	—	1A2/Y1.5/150/	1A2/Y1.5/150/	1A2/Y1.5/150/	1A2/Y1.5/150/
Order number	266-150-J1	217-273-J1	187-202-J1	187-203-J1	174-026-J1	174-029-J1	174-028-J1	174-030-J1

Drum wedge in polyethylene for placing drums at an angle for optimum emptying



See page
338

Order at the same time

Stainless steel funnel for bung hole drums, 2" tri-sure



Order no. 129-141-J1



Fill level indicator, for 2", and 3/4" bung holes, with a transparent protective cap

Order no. 148-365-J1



Drum dolly DT 1 / 200, in steel for 205/220 litre drums

Order no. 148-431-J1

Lidded drums in polyethylene (PE)

- With UN approval
- With a clamping Ring for protection against spillage or contamination of the stored liquid
- The large opening simplifies filling
- Made of polyethylene (PE) - highly resistant to chemicals and environmentally friendly



Lever lock for secure locking of the lid



Drum lifters

From page
358



Capacity [l]	30	30	30	60	60	120	120	220	220
Ø x H [mm]	312 x 520	312 x 520	312 x 520	400 x 620	400 x 620	496 x 800	500 x 790	590 x 978	590 x 978
Design	Handles at the side	With pressure release valve	Bung in lid	Handles at the side	With pressure release valve	—	With pressure release valve	—	With pressure release valve
Un-approved,	1H2/X60/S/...	1H2/X61/S/...	1H2/Y1.4/100/...	1H2/X74/S/...	1H2/X88/S/...	1H2/X225/S/...	1H2/X170/S/...	1H2/X318/S/...	1H2/X318/S/...
Order number	266-131-J1	266-132-J1	266-133-J1	266-134-J1	266-135-J1	273-377-J1	266-136-J1	266-138-J1	266-139-J1

L-ring polyethylene drum

- With UN approval
- With bung threads
- Manufactured from environmentally friendly polyethylene (PE)



Order at the same time



Sealing cap 3/4"
(pack = 25 pcs)
Order no. 174-151-J1



Sealing cap 2"
(pack = 25 pcs)
Order no. 174-149-J1



**Suitable for Ex Zones 1 and 2
when used with bulk materials
in explosion groups IIA and IIB,
Order no. 266-142-J1**



Capacity [l]	120	220	220	220
Design	—	—	—	Conductive
Ø x H [mm]	493 x 745	581 x 935	581 x 935	581 x 935
Bung thread 1	S70x6 (2" coarse)	S70x6 (2" coarse)	S70x6 (2" coarse)	S70x6 (2" coarse)
Bung thread 2	3/4"	3/4"	S56x4 (2" TriSure)	S56x4 (2" TriSure)
Un-approved,	1H1/Y1.9/200/...	1H1/X1.3/250/...	1H1/Y1.9/200/...	1H1/Y1.6/200/...
Order number	266-140-J1	266-141-J1	266-143-J1	266-142-J1

PE drum lid

- Effective protection of the drum contents
- The stop under the drum edge ensures a secure grip.
- Manufactured from environmentally friendly polyethylene (PE)
- With 4 brackets for simple raising and lowering
- Natural transparent
- 1 pack = 5 units



	PE drum lid		
External diameter [mm]	378	500	581
Field of use	60 litre drums	120 litre drums	205 litre drums
Pack contents	5 Item(s)	5 Item(s)	5 Item(s)
Order number Transparent	257-250-J1	257-249-J1	257-248-J1





Plastic Storage Containers

- Wide range of uses
- Made out of food-safe polyethylene
- Resistant to many acids and alkalis
- Conical design, smooth inside and outside



Rectangular Storage Containers
with capacities from 60 to 220 litres

	①	②	③	④	⑤
Capacity [l]	60	65	80	160	220
External dimensions L x W x H [mm]	480 x 480 x 370	650 x 450 x 330	750 x 490 x 310	885 x 640 x 365	885 x 640 x 505
Order number	180-740-J1	180-741-J1	180-742-J1	180-738-J1	180-739-J1

Rectangular plastic Storage Containers in glass fibre reinforced polyester

- For Universal use when transporting or storing liquids, bulk materials, waste etc
- Resistant to many liquid acids and alkalis
- Smooth surface makes easy cleaning
- Made from food-safe, glass fibre reinforced polyester
- Optional accessories: lid (fits loosely) and chassis for internal transport



Rectangular Storage Containers with capacities from 100 to 1100 litres



Flat lid



Chassis

	①	②	③	④
Capacity [l]	100	300	700	1100
External dimensions L x W x H [mm]	855 x 595 x 290	1120 x 745 x 510	1380 x 985 x 760	1630 x 1190 x 800
Order number	137-882-J1	137-883-J1	137-885-J1	137-886-J1
Accessories				
Order number Flat lid	137-887-J1	137-888-J1	137-890-J1	137-891-J1
Order number Chassis	137-897-J1	137-898-J1	137-900-J1	137-901-J1

Fuel canisters in steel with bayonet fitting

■ With UN approval

- With fluid resistant seals and internal paint- no build up of rust so the contents stay clean
- Wide ventilation opening for quick emptying
- Patented safety pin and bayonet lock for safe transport
- Optional accessories: discharge nozzles with practical holder for easy connection to the canister



Fuel canister in steel ExploSafe, 20 litres, with explosion suppression system: an aluminium mesh absorbs heat and prevents an explosion.

Capacity [l]	5	10	20	20
External dimensions L x W x H [mm]	230 x 120 x 310	345 x 165 x 275	345 x 165 x 470	345 x 165 x 468
Un-approved,	3A1/Y/250/...	3A1/Y/100/...	3A1/Y/100/...	3A1/Y/100/...
Order number	264-618-J1	218-954-J1	218-953-J1	264-617-J1

Fuel canisters in steel with screw fitting

■ UN approval for transporting hazardous substances in packaging groups I, II and III

- With fluid resistant seals and internal paint- no build up of rust so the contents stay clean
- Wide ventilation opening for quick emptying
- With screw cap
- Optional accessories: discharge nozzles with practical holder for easy connection to the canister
- Integrated magnet in the cap



Capacity [l]	5	10	20
External dimensions L x W x H [mm]	230 x 120 x 310	345 x 165 x 276	345 x 165 x 468
Un-approved,	3A1/X/250/...	3A1/X/250/...	3A1/X/250/...
Order number	264-614-J1	264-615-J1	264-616-J1

Order at the same time



Safety spouts, for 5 and 10 litre canisters with screw fitting,
Order no. 264-626-J1



Canister holder for 20 litre canister,
Order no. 264-620-J1



Spouts with bayonet lock,
Order no. 218-955-J1



Accessories are available
in the shop!

» www.denios.co.uk



Transparent polyethylene (PE) plastic canisters



- With UN approval for the transport of dangerous goods
- Made from food-safe and chemical resistant polyethylene (PE)
- Includes carry handle
- Designed to fit on a pallet, stackable



Capacity [l]	5	10	20	25	30	60
External dimensions L x W x H [mm]	195 x 160 x 234	232 x 194 x 303	294 x 258 x 385	296 x 258 x 463	379 x 287 x 402	395 x 345 x 648
Un-approved,	3H1/X1.3/250/...	3H1/X1.9/250/...	3H1/X1.9/250/...	3H1/X1.9/250/...	3H1/X1.9/250/...	3H1/X1.9/250/...
Lock	DIN 51	DIN 51	DIN 61	DIN 61	DIN 61	DIN 71
Order number	266-987-J1	266-988-J1	266-989-J1	266-990-J1	266-991-J1	266-992-J1

Plastic canisters in polyethylene (PE)



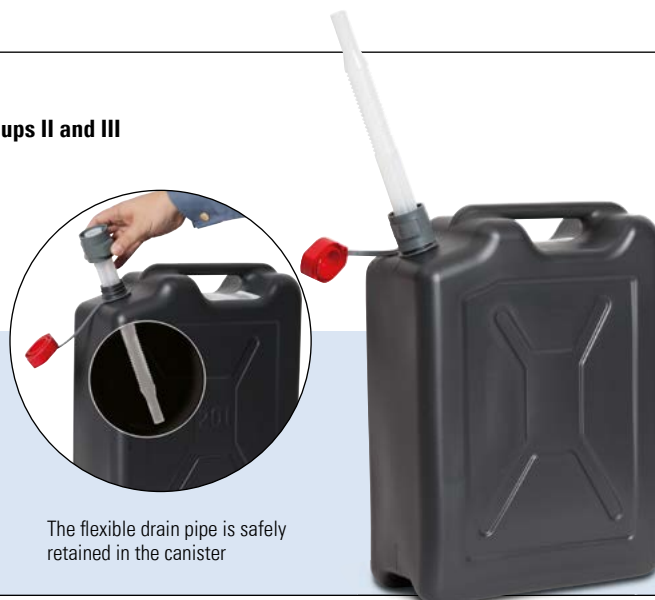
- With UN approval for the transport of dangerous goods
- With carry handle, screw cap and PE seal
- Designed to fit on a pallet, stackable
- Manufactured from polyethylene (PE)



Capacity [l]	5	10	20	25	30	60
External dimensions L x W x H [mm]	195 x 160 x 234	232 x 194 x 303	294 x 258 x 385	296 x 258 x 463	379 x 287 x 402	395 x 345 x 648
Un-approved,	3H1/X1.3/250/...	3H1/X1.9/250/...	3H1/X 1.9/250/...	3H1/X1.9/250/...	3H1/X1.9/250/...	3H1/X1.9/250/...
Lock	DIN 51	DIN 51	DIN 61	DIN 61	DIN 61	DIN 71
Order number	266-993-J1	266-994-J1	266-995-J1	266-996-J1	266-997-J1	266-998-J1

Polyethylene canister with canister spout

- UN approval for transporting hazardous substances in packaging groups II and III
- Flexible outlet pipe with integral ventilation
- Outlet pipe is retained in the canister and is therefore safe from contamination and loss
- Locking cap secured against loss by strap
- Manufactured from sturdy, impact resistant plastic



The flexible drain pipe is safely retained in the canister

Capacity [l]	20
External dimensions L x W x H [mm]	350 x 175 x 480
Approval	3H1/Y/150/....
Order number	228-637-J1



Dissipative canisters for Ex areas in polyethylene (PE)



- UN approved
- Can be used in Ex zones 1 and 2
- Approved for use with combustible liquids in explosion groups II A and II B
- Design compatible with pallets, stackable
- Highly effective EVOH barrier against gases (e.g. oxygen, carbon dioxide)
- Made from food-safe and chemical resistant polyethylene (PE)



Capacity [l]	6	12	20
External dimensions L x W x H [mm]	194 x 164 x 311	232 x 192 x 376	290 x 245 x 399
Un-approved,	3H1/Y1.4/150/...	3H1/Y1.8/150/...	3H1/Y1.9/150/...
Lock	DIN 61	DIN 61	DIN 61
Order number	266-999-J1	267-000-J1	267-001-J1

Stainless steel funnel

- For plastic canisters with a union nut
- Ideal for the measured filling of small amounts of fluids
- Corrosion free and resistant to aggressive media
- With overflow prevention
- Incl. Lid and flame barrier



For containers with thread H51,
Order no. 187-010-J1

For containers with thread H61,
Order no. 129-142-J1

For containers with thread H71,
Order no. 137-515-J1

Lid wrench



See page
333

Conductive canisters in polyethylene (PE)

- With UN approval for the transport of dangerous goods
- In antistatic design
- Suitable for flammable liquids
- Use in zones 0, 1, 2, 20, 21 and 22 is permitted if sufficient measures to avoid the risk of ignition from electrostatic discharge are taken, for example earthing containers. The container must be used subject to the "Technical rules for hazardous substances" (TRGS 727).
- With carry handle, screw cap and PE seal
- Manufactured from environmentally friendly polyethylene
- Designed to fit on a pallet, stackable



10 litre electrically conductive canister,
Order no. 148-430-J1



60 litre electrically conductive canister,
Order no. 129-121-J1

Capacity [l]	10	30	60
External dimensions L x W x H [mm]	235 x 195 x 345	375 x 270 x 425	396 x 332 x 630
Un-approved,	3H1/Y1.6/200...	3H1/Y1.2/150...	3H1/Y1.2/150...
Lock	No. 61 (60 mm)	No. 71 (70 mm)	No. 71 (70 mm)
Order number	148-430-J1	129-120-J1	129-121-J1

Super-wide-necked drums in plastic

- Ideal for solid materials and pastes
- With un-x approval for the packaging groups I, II and III
- Resistant to many acids and alkalis
- The drums are air and watertight, stackable and sealed with a tamper-proof seal
- Quick fit screw lid with integrated seal
- Made of high-quality polyethylene (PE)
- Smooth surface for easy cleaning
- Barrel hoops prevent damage
- Suitable for food
- Temperature resistant from -25 °C to +70 °C

NEW

Square wide necked drum for optimum use of space.



Super-wide-neck drums model SWH in various sizes and colours

Wide-neck drums model WH for safe storage of powder and compounds

	Wide-necked drums in plastic								
Capacity [l]	3.6	6.4	10.4	15.4	20.0	26.0	42.0	55.0	68.0
Ø x H [mm]	198 x 171	198 x 263	274 x 238	274 x 327	274 x 417	316 x 425	410 x 418	410 x 520	410 x 643
Design	Opening 136 mm	Opening 136 mm	Opening 204 mm	Opening 204 mm	Opening 203 mm	Opening 204 mm	Opening 282 mm 2 handles	Opening 282 mm 2 handles	Opening 282 mm 2 handles
Order number	179-655-J1	129-122-J1	179-656-J1	129-123-J1	129-124-J1	129-125-J1	179-657-J1	129-126-J1	129-128-J1

	Super-wide-necked drums in plastic							
Capacity [l]	26	34	39	55	64	75	110	
Ø x H [mm]	338 x 358	338 x 449	338 x 505	410 x 495	410 x 573	410 x 680	455 x 787	
Design	Opening 295 mm 2 handles	Opening 295 mm 2 handles	Opening 295 mm	Opening 354 mm 2 handles	Opening 354 mm 2 handles	Opening 354 mm 2 handles	Opening 392 mm 2 handles	
Body colour	White	White	White	Brown	Brown	Brown	White	
Lid colour	Red	Red	Red	Beige	Beige	Beige	Red	
Order number	129-129-J1	129-130-J1	179-658-J1	129-131-J1	129-132-J1	179-659-J1	179-660-J1	

	Square wide necked drums			
Capacity [l]	40.0	50.0	66.0	80.0
Body dimensions W x D x H [mm]	380 x 380 x 399	380 x 380 x 476	380 x 380 x 594	380 x 380 x 724
Design	Opening 282 mm, 2 handles	Opening 282 mm, 2 handles	Opening 282 mm, 2 handles	Opening 282 mm, 2 handles
Order number	265-661-J1	265-662-J1	265-663-J1	265-664-J1

Wide-neck and super-wide-neck drums with UV protection

- UN identification for solid substances
- Effective protection for your fillers against UV light between 200 and 400 nm
- With practical screw lid for a water-tight closure
- Smooth inner surface for easy emptying and fast cleaning



	Wide-neck and super-wide-neck drums with UV protection			
Capacity [l]	6	15	26	55
Ø x H [mm]	198 x 263	274 x 327	316 x 425	410 x 495
Design	Opening 136 mm	Opening 204 mm	Opening 204 mm	Opening 354 mm 2 handles
Order number	179-661-J1	179-662-J1	179-663-J1	179-664-J1

Conductive wide-necked and super-wide-necked drums

- **UN-x approval for packaging groups I, II and III**
- **Anti-static**
- The safe solution to prevent static when handling solid and paste-like materials
- Resistant to many acids and alkali
- The drums are air and watertight, stackable and sealed with a tamper-proof seal
- Quick fit screw lid with integrated seal
- Made of high-quality polyethylene (PE)
- Smooth surface for easy cleaning
- Barrel hoops protect the drums for damage
- Temperature resistant from -20° to +70° C



	Conductive wide-necked and super-wide-necked drums		
Capacity [l]	6	26	75
Ø x H [mm]	x 265	316 x 425	410 x 680
Design	Opening 136 mm	Opening 204 mm	Opening 354 mm 2 handles
Surface resistance	≤ 10 ⁴ Ω	≤ 10 ⁶ Ω	≤ 10 ⁶ Ω
Order number	274-303-J1	129-134-J1	129-136-J1

Stackable wide-necked drums

- **UN identification for solid substances**
- **Save valuable space in your storage and production areas!**
- With a practical screw lid for quick handling
- Water-tight closure to protect the contents
- Stable and safe to stack



All size variants for the nesting wide-necked drum have identical diameters and can be stacked inside each other to save space

	Stackable wide-necked drums						
Capacity [l]	30	40	50	60	75	120	150
Ø x H [mm]	374 x 408	374 x 570	374 x 660	374 x 770	450 x 701	570 x 732	570 x 870
Design	Opening 326 mm, 2 handles	Opening 326 mm, 2 handles	Opening 326 mm, 2 handles	Opening 326 mm, 2 handles	Opening 390 mm, 2 handles	Opening 490 mm, 2 handles	Opening 490 mm, 2 handles
Order number	217-397-J1	217-399-J1	217-400-J1	217-401-J1	265-665-J1	265-666-J1	265-667-J1

Nestable ClickPack containers

- **UN identification for solid substances**
- **Water-vapour proof lock protects the contents**
- With easy to use screw lid: open and close with only a quarter turn
- Smooth inner surface for easy emptying and fast cleaning



	Nestable ClickPack containers		
Capacity [l]	15	20	25
Ø x H [mm]	333 x 297	333 x 377	333 x 457
Design	Opening 295 mm	Opening 295 mm	Opening 295 mm
Order number	217-403-J1	217-404-J1	217-405-J1



Narrow necked bottles in HDPE with UN approval

- In resistant polyethylene (HDPE)
- With UN approval
- Suitable for packaging, sampling, storage and transport of liquids
- With tamper-evident seal in polypropylene (PP) with sealing cone
- Space-saving, square shape

Capacity [ml]	500	1000	2500
External dimensions L x W x H [mm]	78 x 78 x 180	97 x 97 x 219	128 x 128 x 300
Approval	1H1/X1.3/250	3H1/X1.9/250	3H1/X1.9/250
Packing unit (VE)	12 pieces	6 pieces	12 pieces
Order number	257-551-J1	257-552-J1	257-553-J1



Spray and drip bottles in LDPE

- For storing and dispensing liquids
- With screw-off, flexible spray pipe or screw-off drip tip with cap
- In natural, transparent polyethylene (LDPE)

Model	Drip bottle			Spray bottle		
Capacity [ml]	125	250	500	125	250	500
Ø x H [mm]	50 x 160	60 x 205	75 x 230	50 x 200	60 x 210	75 x 240
Packing unit (VE)	20 pieces	15 pieces	10 pieces	20 pieces	15 pieces	10 pieces
Order number	255-927-J1	255-928-J1	255-929-J1	255-924-J1	255-925-J1	255-926-J1



Wide necked bottles in PVC

- In transparent polyvinyl chloride (PVC)
- Suitable for the storage, packaging and sampling of paste-like and solid media
- With black screw cap in polypropylene (PP) with Alveolit seal
- Space-saving, square shape
- Simple filling thanks to wide neck opening

Capacity [ml]	200	500	1000	2000
External dimensions L x W x H [mm]	59 x 59 x 87	80 x 80 x 110	92 x 92 x 145	122 x 122 x 190
Packing unit (VE)	24 pieces	16 pieces	16 pieces	6 pieces
Order number	261-413-J1	261-414-J1	261-415-J1	261-416-J1



Wide necked bottles in HDPE with UN approval

- In resistant polyethylene (HDPE)
- With UN approval
- Suitable for packaging, sampling, storage and transport of solids (e.g. granules)
- With tamper-evident seal in polypropylene (PP) with sealing cone
- Simple filling thanks to wide neck opening
- Space-saving, square shape

Capacity [ml]	250	500	1000	1500	2500	4000
External dimensions L x W x H [mm]	59 x 59 x 130	75 x 75 x 162	85 x 85 x 214	108 x 108 x 209	122 x 122 x 260	142 x 142 x 294
Approval	3H1/X0.8/S	3H1/X1.5/S	3H1/X2.5/S	3H1/X4/S	3H1/X5/S	3H1/X5.5/S
Packing unit (VE)	30 pieces	15 pieces	12 pieces	6 pieces	6 pieces	12 pieces
Order number	257-561-J1	257-562-J1	257-564-J1	257-565-J1	257-566-J1	257-567-J1



Wide necked bottles in LDPE

- In polyethylene (LDPE)
- Suitable for sampling and storage of liquid, paste-like and solid media
- With screw cap
- Simple filling thanks to wide neck opening

Capacity [ml]	250	500	750	1000	1500	2000
Ø x H [mm]	64 x 120	77 x 154	88 x 173	95 x 205	108 x 226	120 x 247
Packing unit (VE)	30 pieces	16 pieces	12 pieces	12 pieces	6 pieces	12 pieces
Order number	261-405-J1	261-406-J1	261-407-J1	261-408-J1	261-409-J1	261-410-J1



Wide necked bottles in HDPE

- In resistant polyethylene (HDPE)
- Suitable for sampling and storage of paste-like and solid media (e.g. powder or granules)
- With black screw cap with EPE inlay
- Square, space-saving shape
- Simple filling thanks to wide neck opening

Capacity [ml]	250	500	950
Ø x H [mm]	60 x 107	72 x 132	90 x 165
Packing unit (VE)	24 pieces	20 pieces	12 pieces
Order number	257-557-J1	257-558-J1	257-559-J1

Space saving canister, food-safe



- In transparent polypropylene (PP)
- With indestructible litre scale
- Optional accessories: dispensing taps (with short or pivoting spout) and aluminium supports for stability
- Canister, 6.5 or 12.5 cm wide to ensure large quantities of liquids can be stored on narrow shelving



Space saving canister, electrically conductive

- In electrically conductive polyethylene (HDPE)
- Specific surface resistance $< 10^5$ Ohm
- Suitable for dispensing or storing combustible or flammable liquids in explosion groups IIA, IIB and IIC
- With a width of 6.5 or 12.5 cm they are particularly space-saving
- Optional accessories: Anti-static set for earthing canisters

NEW



	Space saving canister, food-safe		Space saving canister, electrically conductive	
	5	10	5	10
Capacity [l]				
External dimensions L x W x H [mm]	335 x 65 x 335	335 x 125 x 335	335 x 65 x 335	335 x 125 x 335
Order number Without threaded fittings	164-202-J1	257-568-J1	263-369-J1	263-371-J1
Order number With threaded fittings	164-203-J1	257-569-J1	263-370-J1	263-372-J1

Accessories	Order number
Support, for 2 space saving canisters, aluminium	164-204-J1
Support, for 3 space saving canisters, aluminium	164-205-J1
Anti-static set with 3 colour coded connection cables	116-058-J1

Wide necked canister

- Extremely wide (88 mm) filler opening for easy internal cleaning
- Carry handle and screwed cover for safe, easy transport
- In transparent plastic (PE), blue litre scale available as an accessory



Litre scale sticker



The wide-necked canisters have an optional threaded fitting for connecting a drain tap (see accessories).

Capacity [l]	5	10	20	30
External dimensions L x W x H [mm]	290 x 130 x 280	310 x 137 x 400	365 x 165 x 485	365 x 240 x 485
Order number Without threaded fittings	250-188-J1	250-190-J1	250-191-J1	250-193-J1
Order number With threaded fittings	250-195-J1	250-196-J1	250-197-J1	250-198-J1
Accessories				
Order number Litre scale sticker	250-200-J1	250-201-J1	250-202-J1	250-203-J1

Order at the same time

Does not protrude beyond the lower edge of the canister: drain tap with short pipe



Drain tap with short outlet, Order no. 210-615-J1



Drain tap with swivel outlet, Order no. 164-206-J1



Locking cap for 3/4" threaded fittings, Order no. 250-199-J1



PE canister, 10 and 20 litres

- Extra wide mouth (80 mm)
- With pressure release valve and PE foam seal in the lid
- For transporting, storing, dispensing and filling
- Made from food-safe and chemical resistant polyethylene (PE)



Valve for ventilation of the container.

Funnels, dispensing containers



See page
335



Design	Without Tap		With Tap	
Capacity [l]	10	20	10	20
External dimensions L x W x H [mm]	280 x 170 x 280	290 x 255 x 390	350 x 170 x 280	360 x 255 x 390
Order number	211-363-J1	211-364-J1	207-398-J1	207-399-J1

Polyethylene canister, 10 and 20 litres

- Equipped with drain Tap
- For transporting, storing and dispensing
- In environmentally-friendly polyethylene (PE), food safe



Capacity [l]	10	15	20
External dimensions L x W x H [mm]	320 x 165 x 340	350 x 180 x 380	350 x 180 x 480
Order number	243-707-J1	243-708-J1	243-709-J1

Canister for urea solution

- Canister in food-safe plastic, specially for the transport of aqueous urea solution AUS 32
- Flexible outlet pipe with integral ventilation
- Outlet pipe is retained in the canister and is therefore safe from contamination and loss
- Locking cap secured against loss by strap



Capacity [l]	5	10	20
External dimensions L x W x H [mm]	329 x 152 x 251	329 x 172 x 341	381 x 301 x 433
Order number	243-134-J1	243-135-J1	243-136-J1

The optimum solution for your company - everything you need from DENIOS

- Can be customised to suit your requirements
- Safe handling of aggressive and flammable media at all times
- All with proven DENIOS quality



Earthing cables
for safety when
dispensing



From page
323

Oily waste cans

See page
517

i Let our specialists help you choose
your individual professional
solution. Telephone: 01952 811 991.

**FALCON LubriFlex dispensing
jugs for clean, easy dosing**

See page
464-465



**Oil absorbents and
DENSORB products**

From page
368



**FALCON parts
cleaners**

See page
505



**Safe cleaning with
FALCON spray cans
and plunger cans**

From page
506



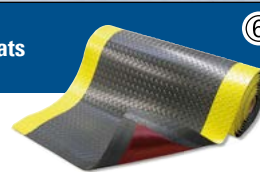
**FALCON safety containers
with dispensing tap**

See page
460



Work place mats

From page
490



**Hazardous substance
racking**

From page
82



**Spill trays for small
containers for every
application**

From page
54



**FALCON safety jugs in
polyethylene (PE)**

See page
461

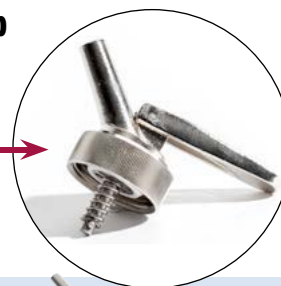


FALCON safety jugs in steel and stainless steel with fine dosing tap

■ For the safe distribution and easy dosing of combustible and aggressive fluids



- With screw-off fine dosing tap in stainless steel 1.4301, Inc. Ventilation and chemically-resistant PTFE seal
- Optimum protection against flashback with integral flame arrestor (removable, e.g. for cleaning)
- Ergonomic handle for safe handling
- Plastic protective Ring protects the sturdy jug body from damage
- Incl. safety sticker for marking the contents in accordance with GHS



Fine dosing tap in stainless steel - for precision dosing of liquids



FALCON safety jugs in steel and stainless steel with screw cap

■ For storing combustible and aggressive liquids safely



- Also suitable for internal transport
- Screw cap (secured against loss) with overpressure valve and chemically-resistant PTFE seal
- Optimum protection against flashback with integral flame arrestor (removable, e.g. for cleaning)
- Ergonomic handle for safe handling
- Plastic protective Ring protects the sturdy jug body from damage
- Incl. safety sticker for marking the contents in accordance with GHS

BESTSELLER



Material Capacity	Steel			Stainless steel		
	1 l	2 l	5 l	1 l	2 l	5 l
Safety jugs with screw cap						
Ø x H [mm]	132 x 181	158 x 226	178 x 336	132 x 181	158 x 226	178 x 336
Order number	187-522-J1	187-523-J1	187-524-J1	203-965-J1	203-966-J1	203-967-J1
Safety jugs with fine dosing tap						
Ø x H [mm]	132 x 215	158 x 260	178 x 370	132 x 215	158 x 260	178 x 370
Order number	188-951-J1	188-952-J1	188-953-J1	204-058-J1	204-059-J1	204-060-J1

Order at the same time



Spill barrier Ring, Ø 400 mm to protect against leaking liquids, for example when undertaking filling procedures over work and laboratory benches etc.



FALCON steel funnel, galvanised, for FALCON safety containers



FALCON fine dosing tap in stainless steel

Accessories	FALCON steel funnel, galvanised	FALCON stainless steel funnel	Barrier, 400 mm diameter	FALCON fine dosing tap in stainless steel
Order number	187-536-J1	187-534-J1	130-516-J1	256-581-J1

FALCON safety canisters in steel and stainless steel, with transport approval

- **Safe transport of fuels**
- **UN approval for transporting liquids in packaging groups I, II and III**
- High quality container in stainless steel (1.4301) or galvanised steel with additional coating in yellow
- Dispensing nozzle supplied as standard
- A special funnel with an angled neck (item 129113) is available as an accessory for the canisters to ensure the canisters can be safely filled.
- NBR seals
- Especially robust, space saving design
- Incl. Label with warning symbols and notices



 All containers are supplied with multiple-language safety labels to mark the contents, with danger symbols according to GHS



Small volumes of flammable and aggressive substances can be safely dispensed and transported.

DENSORB Varioform - a multiformat, highly absorbent material, which can also be used as a cloth

See page
399



	FALCON safety canisters with transport approval			
Material	Steel		Stainless steel	
Capacity [l]	10	20	10	20
External dimensions L x W x H [mm]	340 x 170 x 280	340 x 170 x 470	340 x 170 x 280	340 x 170 x 470
Order number	235-307-J1	235-308-J1	180-687-J1	180-688-J1

FALCON safety canisters in steel and stainless steel, with fine dosing tap

- For flammable and aggressive substances
- Fine dosing tap in stainless steel with comfortable lever - enables filling of small containers
- High quality container in stainless steel (1.4301) or galvanised steel with additional coating in yellow
- Ventilation valve for uniform, precision filling
- NBR seals
- Especially stable and space saving design
- Incl. Marking label with warning symbols and notices

Order at the same time

Stainless steel funnel with an angled neck

Order no. 129-113-J1



Containers with mounted dispensing tap available, so that containers can fit on every shelf



Precise dispensing with in-built ventilation valve

Earthing cables for safety when dispensing

See page
323



Material	FALCON safety canister with filling tap			
	Steel		Stainless steel	
Capacity [l]	10	20	10	20
External dimensions L x W x H [mm]	445 x 170 x 280	445 x 170 x 470	445 x 170 x 280	445 x 170 x 470
Order number	242-250-J1	242-251-J1	242-252-J1	242-253-J1

FALCON safety containers in steel and stainless steel, with transport approval

- Safe transport of fuels
- UN approval for transporting liquids in packaging groups I, II and III
- High quality container in stainless steel (1.4301) or galvanised steel with additional coating in yellow
- Dispensing nozzle supplied as standard
- NBR seals
- Comfortable handle with large moulded grip
- Space saving design with high stability
- Protective Ring around the outside to protect from damage
- Incl. Marking label with warning symbols and notices



All containers are supplied with multiple-language safety labels to mark the contents, with danger symbols according to GHS



Steel, 5 litres



Stainless steel, 10 litres



Steel, 20 litres



FALCON safety containers in steel and stainless steel, with fine dosing tap

- For flammable and aggressive liquids
- Fine dosing tap in stainless steel with comfortable lever - enables filling even into small openings
- High quality container in stainless steel (1.4301) or galvanised steel with additional coating in yellow
- The flame arrestor (standard) prevents flames passing through and igniting the container contents
- Automatic ventilation when the fine dosing tap is operated for precision dosing
- Space saving design with high stability
- NBR seals
- Protective ring around the outside to protect from damage
- Incl. Marking label with warning symbols and notices



Containers with fine dosing tap have a flame arrestor as standard



Stainless steel, 5 litres



Steel, 10 litres



Stainless steel, 20 litres



Material	Steel			Stainless steel		
Capacity [l]	5	10	20	5	10	20
FALCON safety containers with transport approval						
External dimensions L x W x H [mm]	408 x 244 x 114	408 x 244 x 186	508 x 308 x 216	408 x 244 x 114	408 x 244 x 186	508 x 308 x 216
Order number	235-289-J1	235-290-J1	235-292-J1	235-293-J1	235-296-J1	235-297-J1
FALCON safety containers with fine dosing tap						
External dimensions L x W x H [mm]	428 x 244 x 169	428 x 244 x 241	528 x 308 x 271	428 x 244 x 169	428 x 244 x 241	528 x 308 x 271
Order number	235-301-J1	235-302-J1	235-303-J1	235-304-J1	235-305-J1	235-306-J1

FALCON safety jugs in polyethylene (PE) with screw cap

- Safe storage of liquids, e.g. acids or alkalis
- Suitable for internal transport
- Long lasting, chemically resistant container in HDPE
- Screw cap in stainless steel 1.4301 with chemically resistant PTFE seal
- Ergonomic handle for safe handling
- Incl. safety sticker for marking the contents in accordance with GHS

Screw cap in stainless steel 1.4301 with chemically resistant PTFE seal

Long lasting, chemically resistant container in HDPE



NEW

FALCON safety jugs in polyethylene (PE) with fine dosing tap

- Safe dispensing and dosing of liquids, e.g. acids or alkalis
- Long lasting, chemically resistant container in HDPE
- With screw-off fine dosing tap in stainless steel 1.4301, inc. ventilation and chemically-resistant PTFE seal
- Ergonomic handle for safe handling
- Incl. multilingual safety sticker for marking the contents in accordance with GHS

Fine dosing tap with vent in stainless steel

Ergonomic handle safe handling when dispensing, storing and during transport sturdy design



NEW

Long lasting, chemically resistant container in HDPE

Spill trays for small containers pro-line in polyethylene (PE)

See page
53



FALCON safety jugs

See page
459



Capacity	1.0	2.0
FALCON PE safety jugs with screw cap		
External dimensions W x D x H [mm]	100 x 150 x 200	100 x 150 x 280
Order number	263-211-J1	263-212-J1
FALCON PE safety jugs with fine dosing tap		
External dimensions W x D x H [mm]	100 x 150 x 230	100 x 150 x 310
Order number	263-213-J1	263-214-J1

FALCON LubriFlex dispensing jugs in polyethylene (PE)


- Safe, clean and easy commercial dosing of liquids
- Long lasting, chemically resistant, UV stable container
- With sturdy handles for ergonomic use
- Includes 2 screw-on spouts in different sizes, 18 write-on adhesive labels in 9 signal colours and a multi-language safety sticker for identifying the contents in accordance with GHS regulations
- Available with 2, 5 or 10 litre volume



Write-on coloured labels for marking media and areas of use.



Gefahrstoffkennzeichnung / Hazard Symbol / Picogramme substances dangereuses / Pictogramme de risque:




Use and generally does not require, the GHS labels on hazardous substances, GHS labels are not required for non-hazardous substances. However, the appropriate hazard labels must be used and apply it to safety label. Fill in the necessary information. Apply the label in a clearly visible location to the container.

Vous êtes légalement obligés de marquer vos substances dangereuses. Utilisez le programme adhésif approprié conformément aux réglementations. Évitez le programme de marquage adhésif de substances non dangereuses. Cependant, les étiquettes appropriées doivent être utilisées et appliquées à l'étiquette de sécurité. Remplissez les informations nécessaires. Placez l'étiquette dans une abaisse visible du récipient.

Es obligación por normativa etiquetar correctamente las sustancias. Evite el programa de marca adhesivo de sustancias no peligrosas. Emplee el programa de marca adhesivo de sustancias peligrosas. Cumpla con la normativa pertinente. Rellene la información necesaria. Pega la etiqueta en una abanico visible del recipiente.

Labels / Contente / Contenu / Contenitore: _____
Weight / Volume / Quantité / Volumen: _____

www.falcon-eu.com **FALCON** 

All containers are supplied with multiple-language safety labels to mark the contents, with danger symbols according to GHS

With litre scale for checking the filling level.



Go online! Discover even more exciting product highlights!

www.denios.co.uk



FALCON dispensing jugs Lubriflex with volume of 2, 5 or 10 litres, each including 18 write-on adhesive labels in signal colours for clear marking



FALCON dispensing jugs Lubriflex with large opening for safe, easy filling



FALCON dispensing jug Lubriflex with long outlet pipe - ensures safe, clean dispensing even in areas which are hard to reach

Capacity [l]	2	5	10
External dimensions W x D x H [mm]	140 x 413 x 316	173 x 413 x 416	260 x 413 x 523
Order number	243-460-J1	243-461-J1	243-462-J1

Spill trays for small containers for every application

See page
54



Stainless steel canister

- For dispensing, transporting and distributing flammable liquids
- With screw CAP or self closing fine dosing tap or nozzle
- Canister made from high quality stainless steel with a PTFE seal
- Incl. Flashback protection



5 litre Stainless Steel Jerrican
with Fine measuring tap

Order no. 117-341-J1

10 litre Stainless Steel Jerrican,
with tap and ventilation

Order no. 117-331-J1

20 litre Stainless Steel Jerrican, with
screw cap and pressure release valve

Order no. 117-340-J1

Order at the same time

Stainless steel funnel with an angled neck

A special funnel with an angled neck is available as an accessory for stainless steel canisters. This ensures the canisters can be safely filled.



Order no. 129-113-J1

Design	Lid, overpressure valve			Lid, transport approved		
Capacity [l]	5	10	20	5	10	20
External dimensions L x W x H [mm]	200 x 130 x 310	230 x 130 x 380	340 x 175 x 470	200 x 130 x 310	280 x 130 x 380	345 x 175 x 470
Order number	117-335-J1	117-338-J1	117-340-J1	117-351-J1	117-352-J1	117-353-J1

Design	Fine Measuring tap			Tap, ventilation		
Capacity [l]	5	10	20	5	10	20
External dimensions L x W x H [mm]	200 x 130 x 310	280 x 130 x 380	345 x 175 x 470	200 x 130 x 310	280 x 130 x 380	345 x 175 x 470
Order number	117-341-J1	117-342-J1	117-344-J1	117-327-J1	117-331-J1	117-332-J1

Transport jugs in stainless steel

- For safely storing and transporting flammable liquids of all classifications
- Complies with transport regulations in accordance with GGVSE
- Screw cap (secured against loss)
- Removable perforated stainless steel flame arrestor
- Made from high quality stainless steel 1.4571, Seal in PTFE

Transport jug, 5 litre

Order no. 157-850-J1



Capacity [l]	1.0	2.5	5.0
External dimensions L x W x H [mm]	140 x 110 x 156	200 x 161 x 230	200 x 161 x 395
Order number	157-847-J1	157-848-J1	157-850-J1

Free-standing safety container in stainless steel

- Can be used for storing or dispensing
- With either a screw top, fine dosing tap or nozzle (with/without level indicator)

Order at the same time

Stainless steel funnel for a safety container

- A funnel is available to fit all safety containers. This ensures the containers can be safely filled.

Order no. 129-117-J1



Safety container, 10 litres, with a screw CAP

Order no. 119-587-J1



Safety container, 10 litres, with a self-closing, fine measuring tap and ventilation

Order no. 117-219-J1



Safety jar, 25 litres, with self-closing tap and fill-level indicator

Order no. 117-359-J1



Safety container, 50 litres, with a self-closing Tap

Order no. 117-349-J1

Design	Screw lock			Measuring Tap	Tap			Tap and level indicator		
Capacity [l]	10	25	50	10	10	25	50	10	25	50
Ø x H [mm]	260 x 330	315 x 540	365 x 600	260 x 340	260 x 330	315 x 540	365 x 600	260 x 330	315 x 540	365 x 600
Order number	119-587-J1	119-591-J1	117-346-J1	117-219-J1	117-223-J1	117-347-J1	117-349-J1	125-487-J1	117-359-J1	117-360-J1

Stainless steel fuel cans

- Approved for safe transport of hazardous materials according to GGVS
- Type-approved according to ADR, RID and imdg-code
- Screw cap secured against loss
- With PTFE seal
- With flame arrestor
- Can also be used in-house as a tap container in combination with optional tap
- Separate ventilation for filling procedures



Capacity [l]	10	25
Ø x H [mm]	260 x 330	300 x 530
Un-approved,	1A1/X2/400..	1A1/X1.6/400..
Order number	256-779-J1	117-357-J1

Order at the same time



Stainless steel storage mount for storing containers horizontally.
Order no. 254-834-J1



1 1/2" stainless steel Tap,
Order no. 117-328-J1

PyroBubbles® extinguishing media for solid and liquid combustible substances

PyroBubbles® is an extinguishing media positive tested by MPA Dresden according to DIN EN 3-7 for solid and liquid combustible substances (fire classes A, B, D and F). The hollow glass granules are classified as building material class A1 (DIN 4102). The product is very light and highly suited for use as an inert filler.

PyroBubbles® are temperature resistant to approx. 1050 °C. After a fire has been extinguished, the extinguishing granules can be simply collected up again and for the most part reused. PyroBubbles® extinguishing medium is also excellent for preventive fire protection, especially for filling hollow spaces, cable ducting and installation shafts (horizontal and vertical) when used as a bulk good.

- Ideal filler for storing and transport of lithium ion batteries (UN 3480, UN 3090), mainly consisting of silicon dioxide with an average grain size of 0.5 to 5 mm.
- Non-combustible building material (A1, DIN 4101, EN 13501)
- 100% environmentally-friendly
- Absorbs electrolyte (BAM tested).
- Low thermal conductivity and electrically insulating
- Approx. 8-10 times lighter than sand, (approx. 230 kg/m³)
- Specific heat capacity of just 0.7 kJ/(kg.K), porosity of 85%
- Mounting provides vibration protection
- Floats on the surface of liquids therefore especially suitable for fighting liquid fires regardless of polarity.



Powerful lithium-ion batteries are the driving force behind modern electric mobility. Lithium batteries are however hazardous goods. They therefore come under the hazardous goods regulations. Lithium batteries are classified in ADR and RID as hazardous goods in class 9 (various hazardous substances and objects) with the following UN numbers:

UN 3090: Lithium metal batteries (including batteries in lithium alloys)

UN 3480: Lithium-ion batteries (including lithium-ion polymer batteries)
(UN approvals for batteries in equipment are not listed here)

Using the steel and plastic containers in combination with the PyroBubbles filler, you will meet the comprehensive requirements of the numerous packaging and special regulations for dispatch of lithium-ion batteries.

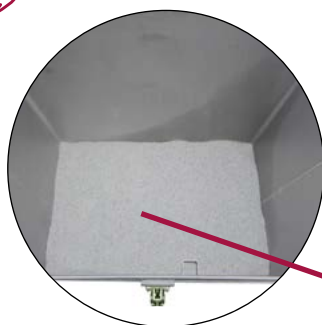
The PyroBubbles® filler material in conjunction with the UN certified stainless steel containers is one of the safest systems to handle and transport lithium-ion batteries, and has been approved by the relevant authorities (German Federal Institute for Materials Research and Testing, BAM) as a packaging method for the transport of damaged and dangerously reactive lithium-ion batteries.

UN-conforming system in stainless steel for the transport of faulty or unsafe Li-ion batteries

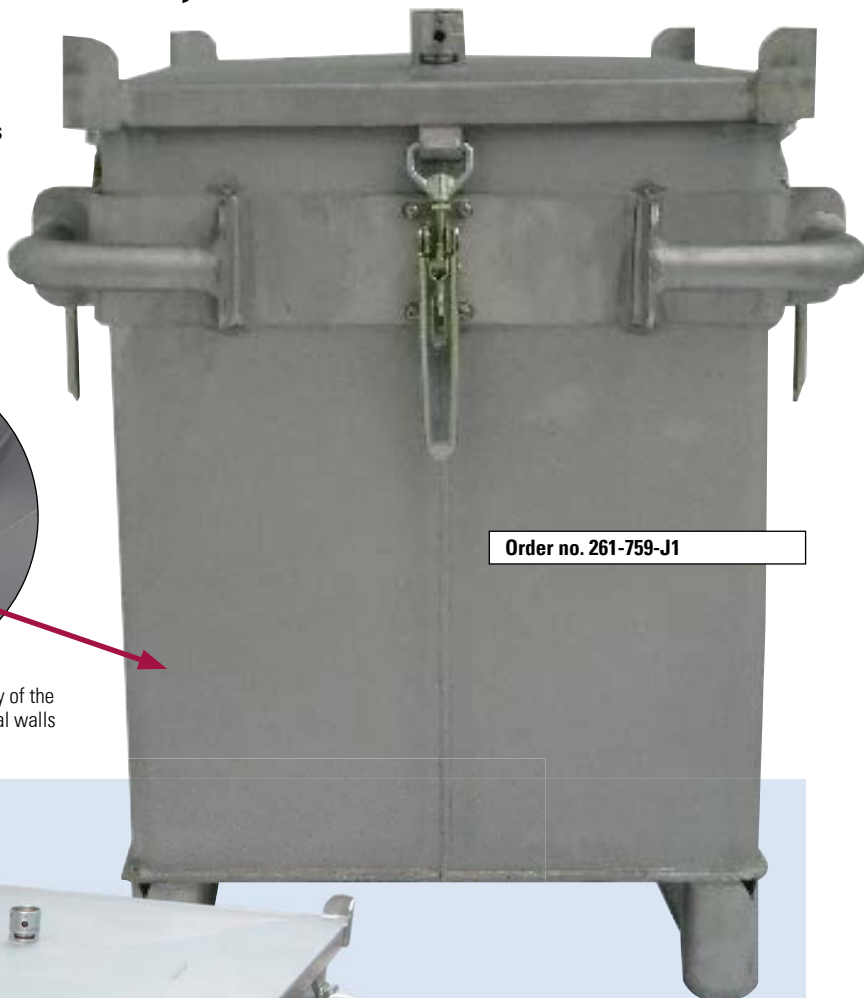
Safety system for storage and transport in accordance with Special Provision 376 ADR for damaged, faulty (Packaging Instructions P 908 and LP 904) and unsafe lithium-ion batteries (Packaging Instructions P 911 and LP 906)



There's even more choice in the shop!
» www.denios.co.uk



Even during and after thermal runaway of the battery, the temperature of the external walls remains well under 100°C



Order no. 261-759-J1



Forklift pockets, pressure valves and tension locks ensure practical handling and safety

PROFESSIONAL EQUIPMENT



Model	S-Box X1	S-Box X2	M-Box X1	M-Box X2	XXL Box
Features	4 paper bags of PyroBubbles	6 paper bags of PyroBubbles	10 paper bags of PyroBubbles	16 paper bags of PyroBubbles	50 paper bags of PyroBubbles
External dimensions W x D x H [mm]	799 x 599 x 734	799 x 599 x 1114	1199 x 799 x 792	1199 x 799 x 1252	2500 x 1484 x 1029
Internal dimensions W x D x H [mm]	676 x 476 x 580	676 x 476 x 960	1076 x 676 x 640	1076 x 676 x 1100	2376 x 1356 x 808
Maximum load hazardous goods [kg]	66	110	155	360	400
Maximum gross weight [kg]	160	240	350	630	1212
Capacity [l]	187	309	466	800	2603
Order number	261-759-J1	261-760-J1	261-761-J1	261-762-J1	261-763-J1

UN-conforming system in plastic for the transport of faulty or unsafe Li-ion batteries

Safety system for storage and transport in accordance with Special Provision 376, Packing Instruction 908 ADR for damaged and defective lithium-ion batteries. For transport for recycling purposes as defined by Special Provision 377, Packing Instruction 909, for non-damaged and non-defective or EOL (End of Life) lithium-ion batteries

Transport container filled with PyroBubbles® in 700 ml PE bag



All containers are supplied with sufficient quantities of PyroBubbles filler

Model	XS-BOX 1 Basic	XS-BOX 2 Basic	S-BOX 1 Basic	S-BOX 2 Basic
Features	24 PE cushions of PyroBubbles	30 PE cushions of PyroBubbles	62 PE cushions of PyroBubbles	100 PE cushions of PyroBubbles
External dimensions W x D x H [mm]	400 x 300 x 235	400 x 300 x 285	600 x 400 x 295	600 x 400 x 441
Internal dimensions W x D x H [mm]	360 x 260 x 195	360 x 260 x 245	556 x 356 x 276	556 x 356 x 422
Maximum load hazardous goods [kg]	9	8	33	28
Maximum gross weight [kg]	13	13	45	45
Capacity [l]	18	23	56	84
Order number	261-764-J1	261-766-J1	261-768-J1	261-770-J1

Transport container with metal basket, PyroBubbles® in separate paper bag



The made to measure, powder coated metal basket ensures a distance of 3 cm from the inner edge of the transport box. The batteries can be easily removed using the basket.

Model	S-BOX 1 Advanced 12.5 kg	S-BOX 2 Advanced	XS-BOX Advanced	XS-BOX 2 Advanced
Features	Metal basket, 1 paper bag of PyroBubbles	Metal basket, 2 paper bags of PyroBubbles	Metal basket, 1 paper bag of PyroBubbles	Metal basket, 1 paper bag of PyroBubbles
External dimensions W x D x H [mm]	600 x 400 x 295	600 x 400 x 441	400 x 300 x 235	400 x 300 x 285
Internal dimensions W x D x H [mm]	492 x 292 x 196	492 x 292 x 341	298 x 198 x 135	297 x 195 x 190
Maximum load hazardous goods [kg]	30	24	7	6
Maximum gross weight [kg]	45	45	13	13
Capacity [l]	28	49	8	11
Order number	261-769-J1	261-771-J1	261-765-J1	261-767-J1

Large transport container with metal basket, PyroBubbles® in separate paper bags



INNOVATION
Order no. 261-772-J1



Find more information in the Shop!
www.denios.co.uk/shop



Model	M-BOX Advanced
Features	Metal basket, 12 paper bags of PyroBubbles
External dimensions W x D x H [mm]	1230 x 1030 x 835
Internal dimensions W x D x H [mm]	966 x 766 x 404
Maximum load hazardous goods [kg]	292
Maximum gross weight [kg]	456
Capacity [l]	299
Order number	261-772-J1

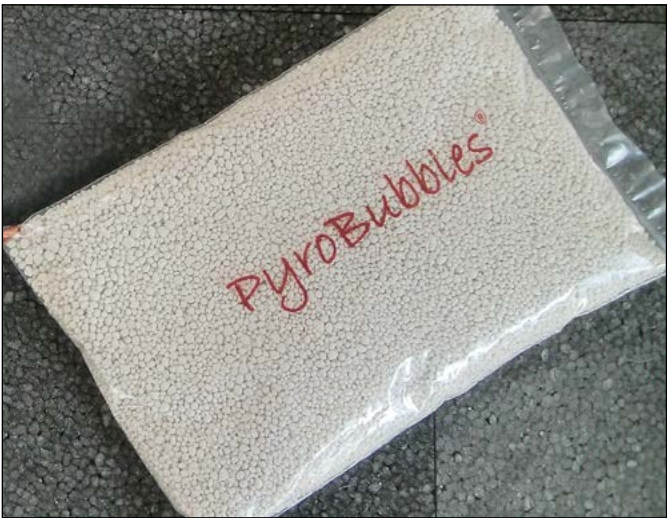
PyroBubbles® extinguishing media for solid and liquid combustible substances

PyroBubbles® are water-neutral and food-safe. They contain very few water-soluble components. The pH value lies between 7 and 9 (permitted limits according to the German drinking water directive 6.5 – 9.5). This value corresponds to a soap solution for normal hand washing and is therefore classified as neutral. The totality of soluble salts changes the conductivity of water significantly less than the normal mineral content of tap water. Conductivity < 150 µS/cm (permitted limit according to the German drinking water directive 1500 µS/cm).



Paper sack, 12.5 kg

i PyroBubbles® extinguishing medium can be used in transport containers either as a bulk good filler or in refill packs.



Practical PE bag (700 ml)

Contents	12.5 kg bag of PyroBubbles	50 x 700 ml PE cushions of PyroBubbles	250 kg Big Bag of PyroBubbles
Order number	265-741-J1	265-740-J1	265-742-J1



Transport container,
170 or 250 litre volume

Collection and transport containers for hazardous goods

For hazardous solid materials in packaging categories II or III

- Suitable for used cleaning cloths, oil and chemical binders / granules etc
- Sturdy container in polyethylene with lid
- Airtight closure thanks to polyurethane seal and stable clips with safety pins
- Simple transport with solid rubber wheels with bearings and ergonomic handle
- Can be stacked two high
- With UN approval, no 1H2W/Y/S//BAM

Capacity [l]	170	250
External dimensions L x W x H [mm]	600 x 400 x 880	600 x 600 x 890
Un-approved,	1H2W/Y100/S/..	1H2W/Y120/S/..
Order number	151-338-J1	145-427-J1

Transport container for hazardous materials

Type tested and approved for transporting hazardous goods in packaging groups I, II and III

- With two rip-proof, carry straps on the sides
- The UN approved containers comply with the hazardous substances regulations (road) (GGVS), (rail) GGV and (sea) GGV, etc
- UN approval no. 4H2 / x.. / S...Bam8421
- With foam insert in polypropylene (PP) in the lid and the base



Regulation compliant tension locks and tear resistant textile securing straps ensure that the container remains firmly closed during transportation

	Transport container for hazardous materials			
External dimensions L x W x H [mm]	400 x 300 x 338	600 x 400 x 293	600 x 400 x 340	600 x 400 x 440
Capacity [l]	26	47	55	75
Order number	117-928-J1	117-930-J1	117-931-J1	117-932-J1

Plastic bucket with lid

With UN approval

Meets food regulations

Easy open tab with tamper evident seal

- Inc. Carry handle
- Conical - can be stacked inside each other



Design	Meets food regulations		Electrically conductive
Capacity [l]	5.5	11.0	11.0
Ø x H [mm]	237 x 208	293 x 245	268 x 268
Un-approved,	1H2/Y7/S/..	1H2/Y12/S/..	1H2/Y12/S/..
Pack contents	10 Item(s)	10 Item(s)	5 Item(s)
Order number	251-246-J1	251-248-J1	251-297-J1

Dissipative plastic bucket

With UN approval

Electrically conductive

- Manufactured from resistant polypropylene
- With metal handle



Plastic hobbock

With UN approval

Meets food regulations

- With ergonomic shell grips
- Manufactured from resistant polypropylene



Design	Meets food regulations	Electrically conductive
Capacity [l]	30.0	30.0
Ø x H [mm]	379 x 397	379 x 397
Un-approved,	1H2/Y45/S/..	1H2/Y37(Z45)/S/..
Order number	251-255-J1	251-298-J1

Dissipative plastic hobbock

With UN approval

Electrically conductive

- With ergonomic shell grips
- Manufactured from resistant polypropylene



Multi-purpose hazardous materials containers

For transporting hazardous substances such as paint, spray cans etc. safely. UN certified for packaging groups II and III

- With snap-on lid and secure metal fasteners
- Stackable
- Manufactured from resistant polypropylene
- Colour: crimson



Hazardous materials transport containers with inverted lid and practical fasteners

Reusable, crimson polypropylene containers for transporting hazardous materials, available in 5 different sizes



	Multi-purpose hazardous materials containers				
External dimensions L x W x H [mm]	410 x 310 x 238	410 x 310 x 338	610 x 410 x 238	610 x 410 x 338	610 x 410 x 438
Capacity [l]	18	27	38	58	74
Order number	174-006-J1	174-007-J1	174-008-J1	174-009-J1	174-010-J1

4

WORK SAFETY EQUIPMENT

PROTECT HEALTH

Employee health makes a significant contribution to the success of a company. As part of our personal health range, we offer a selection of preventive equipment, such as safe and comfortable work flooring and solutions for first aid in the event of an incident, such as emergency showers.



476 Eyewash stations and body showers



482 Safe workplace flooring, anti-fatigue matting





Eye shower G 5014

- For wall mounting using mounting bracket
- 2 spray heads (including dust cover) for ensuring a comfortable, equal pressure to both eyes
- Simple operation with large pressure plate
- Water connection: 3/8"
- Water flow: > 12 L/min at 2 bar
- Hose length: 3,5 metres
- Integral safety valve and securing mount



Order no. 117-458-J1

Eyewash station G 5025

- For wall mounting using mounting bracket
- 1 actuator (including protective cover) facilitates an even amount of water pleasing to the eye
- Simple to use with valve lever
- Water connection: 3/8"
- Water flow: > 6 L/min at 2 bar
- Hose length: 2,5 metres
- Integral safety valve and securing mount



Order no. 117-444-J1

Eye shower G 5026

- For wall mounting using mounting bracket
- 2 spray heads (including dust cover) for ensuring a comfortable, equal pressure to both eyes
- Simple to use with valve lever
- Water connection: 3/8"
- Water flow: > 12 L/min at 2 bar
- Hose length: 2,5 metres
- Safety valve and securing mount



Order no. 117-462-J1

Eye shower MB 50

- For wall mounting
- Housing, hinged protective cover and basin in impact resistant white plastic
- 2 spray heads ensuring a comfortable water supply for the eyes
- With self-regulating flowmeter for a consistent spray
- Hinged protective cover as trigger and operation device, including sign
- Water connection: 1/2"
- Water flow: > 12 L/min at 2 bar
- Dimensions W x D x H (mm): 370 x 300 x 300



NEW

Eye shower MB 50,
Order no. 266-121-J1

Eye shower MB 50, with DVGW certificate,
Order no. 266-122-J1



i For burns to the eyes it is necessary to wash immediately in order to prevent lasting damage. A rinsing time of 20 minutes is recommended here.



Order no. 117-466-J1

Eyewash station G 1819

- For wall mounting using mounting bracket
- 2 spray nozzles with self-regulating flow control, filter and dust covers
- Simple operation with large pressure plate
- Water connection: 1/2"
- Water flow: > 12 L/min at 2 bar

Eyewash station G 1750

- For wall attachment
- 2 spray nozzles with self-regulating flow control, filter and dust covers
- Simple operation with large pressure plate

- Water connection: 1/2"
- Water flow: > 12 L/min at 2 bar
- With either stainless steel (model G 1750) or plastic (model G 1750-P) basin



Model G 1750-P
with synthetic bowl

Order no. 117-449-J1

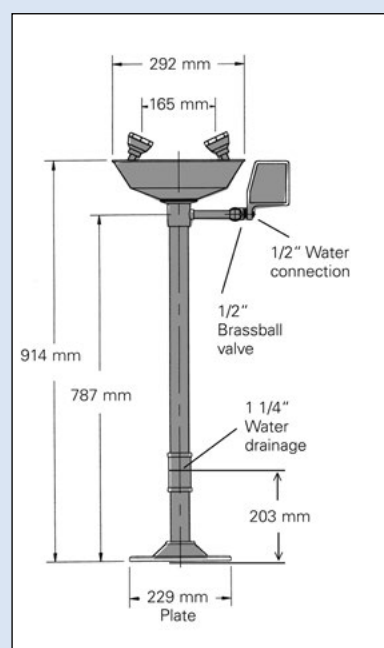


Model G 1750
with stainless steel bowl

Order no. 117-439-J1

Eyewash station G 1760

- With a stand pipe and base plate for floor mounting
- 2 spray nozzles with self-regulating flow control, filter and dust covers
- Simple operation with large pressure plate
- Water connection: 1/2"
- Water flow: > 12 L/min at 2 bar
- With either stainless steel (model G 1760) or plastic (model G 1760-P) basin



Model G 1760-P
with plastic basin

Order no. 117-447-J1

Model G 1760 with
stainless steel basin

Order no. 117-448-J1

Eyewash station G 5022

- 2 chromed spray nozzles with self-regulating flow control, filter and dust covers
- For bench mounting
- Simple to use with valve lever
- Extendable plastic hose (2400 mm in length)
- Water connection: 3/8"
- Water flow: > 12 L/min at 2 bar

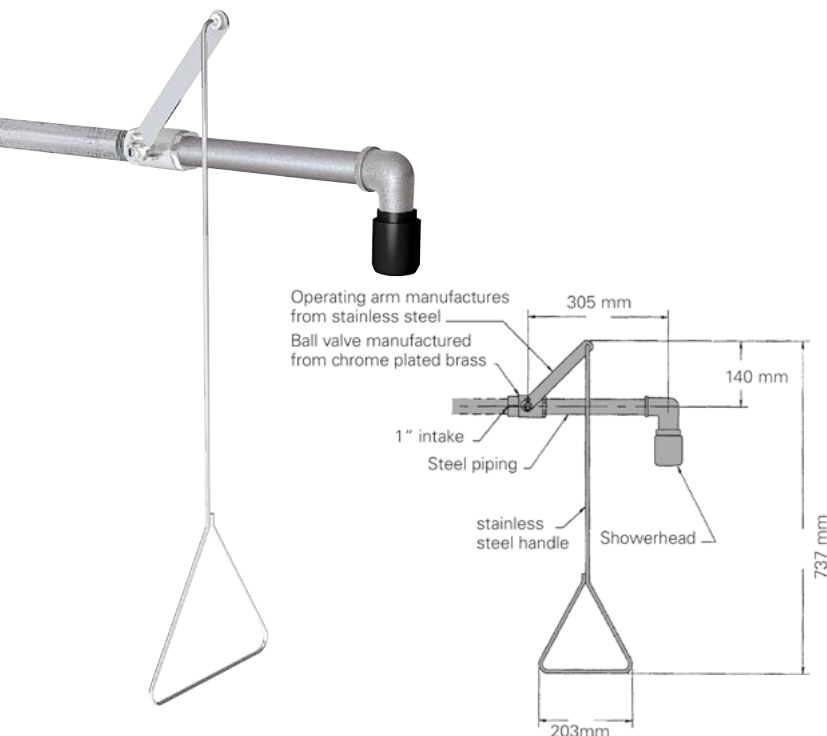


Eye shower
model G 5022

Order no. 117-440-J1

Emergency body showers model G 1643 and model G 1691

- For wall mounting
- Easy operation with a stainless steel handle
- Water connection: 1" inlet (NPT internal thread)
- Water discharge quantity: > 60 L/min. At 2 bar
- Shower head in plastic
- Available either in galvanised version (model G 1643) or stainless steel (model G 1691)



Body shower model G 1643
in galvanised steel pipe

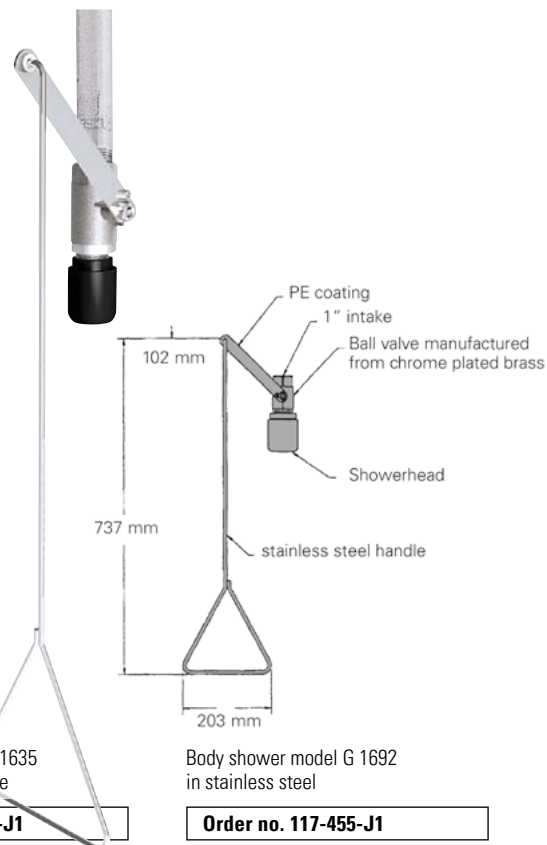
Order no. 117-415-J1

Body shower model G 1691
in stainless steel

Order no. 117-454-J1

Emergency body showers model G 1635 and model G 1692

- For ceiling mounting
- Easy operation with a stainless steel handle
- Water connection: 1" inlet (NPT internal thread)
- Water discharge quantity: > 60 L/min. At 2 bar
- Shower head in plastic
- Available either in galvanised version (model G 1635) or stainless steel (model G 1692)



Body shower model G 1635
in galvanised steel pipe

Order no. 117-437-J1

Body shower model G 1692
in stainless steel

Order no. 117-455-J1



60 litre water container, size
W x D x H (mm):
660 x 310 x 665

Order no. 117-425-J1

Eye shower with 60 litre supply container G 1540

- Ideal for areas within the company where no supply of water is readily available
- The valve opens by folding forward the shower heads
- The liquid will flow from the nozzles by means of its own pressure, flow time is approx. 15 Minutes
- Incl. Wall mount and anti-septic for initial filling

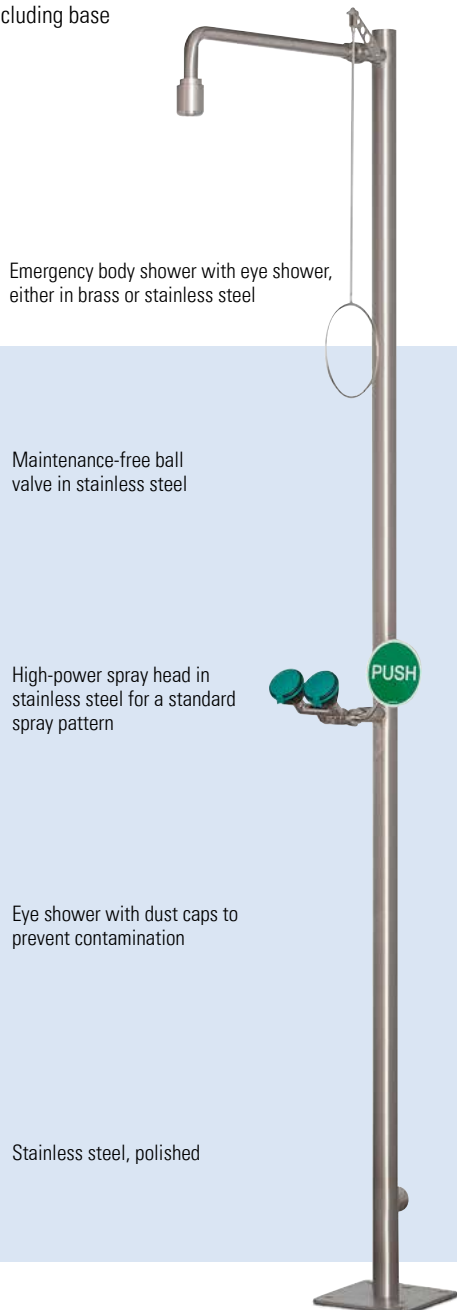
Order at the same time

**Antiseptic for subsequent filling
of the container**

Order no. 123-598-J1

Body showers with eye shower

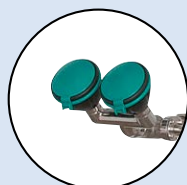
- High-power shower head for a standard spray pattern
- Integrated flow-control for even flow, irrespective of water pressure
- Maintenance-free ball valve in stainless steel
- Easy operation of the emergency body shower with a drawbar
- Eye shower with dust caps to prevent contamination
- Simple operation of the eye shower with large pressure plate
- For floor mounting, including base



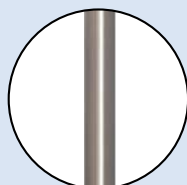
Maintenance-free ball valve in stainless steel



High-power spray head in stainless steel for a standard spray pattern



Eye shower with dust caps to prevent contamination



Stainless steel, polished



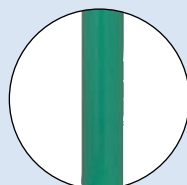
Maintenance-free ball valve in stainless steel



High-performance shower head in plastic for a standard spray pattern



Eye shower with basin and dust caps to prevent contamination



Stainless steel, chemical-resistant green powder-coated

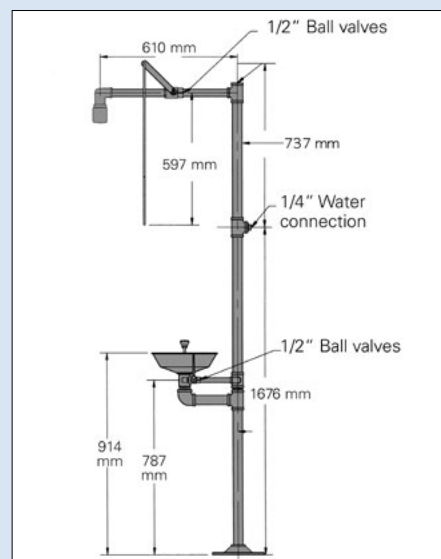
Model	BR 832 085 / 75L	BR 832 095 / 75L	BR 837 085 / 75L	BR 837 095 / 75L
Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Colour	Green	—	Green	—
Surface	powder coated	Polished	powder coated	Polished
Volume of water supplied for body shower (>) [l/min]	75	75	75	75
Volume of water supplied for eye wash shower (>) [l/min]	14	14	16	16
Water connection	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Features	Without spill tray	Without spill tray	With spill tray	With spill tray
Assembly	Floor mounting	Floor mounting	Floor mounting	Floor mounting
Order number	250-083-J1	250-084-J1	250-085-J1	250-086-J1

Body showers with eye shower

- For rapid first aid after an accident to prevent contamination of the body and eyes
- Easy operation of the body shower with a stainless steel handle
- The aerated plastic water jets ensure the water is a gentle spray
- Water flow for body shower: > 60 L/min. At 2 bar pressure, water connection 1 1/4"
- Eye shower with 2 spray nozzles with self-regulating flow control, filter and dust covers
- Simple operation of the eye shower with large pressure plate
- Water flow for eye shower: > 12 L/min. At 2 bar pressure
- For floor mounting, incl. base plate



The plastic spray head on the showerhead allows the water to gush out gently. This ensures that you can wash thoroughly.



This diagram only applies to emergency shower models G 1931, G 1902-P, G 1902, G 1991

Emergency combination shower G 1931

- Galvanised steel tube
- Eye wash shower without basin

Order no. 117-467-J1

Emergency combination shower G 1902-P

- Galvanised steel tube
- Eye wash shower with plastic basin

Order no. 117-426-J1

Model G 1902

- Galvanised steel tube
- Eye wash shower with stainless steel basin

Order no. 117-412-J1

Order at the same time

Foot pedal for opening and activating the eye shower,
Order no. 216-988-J1

Body showers with eye shower MD 250/50 and MB 250/50

- Free-standing, heated, insulated body shower with eye shower for outdoor use
- Galvanised steel pipe, insulated in addition
- White plastic casing with white/green safety stripes
- Ex-proof Ex II 2G IIC T6
Ex-proof Ex II 2D IIIC T85
- Volume of water supplied for body shower > 80 l/min at 2 bar pressure, water connection 1 1/4"
- Volume of water supplied for eye shower > 12 l/min at 2 bar water pressure
- Eye shower with 2 spray nozzles, self-regulating flow control and dust covers
- Easy operation of the body shower with a drawbar
- Hinged protective cover triggers the eye shower
- Heating operates with a self-regulating heat tracing wire, electrical connection 230 V, 50 Hz



NEW



FROST-PROOF

■ Frost-proof down to -15 °C

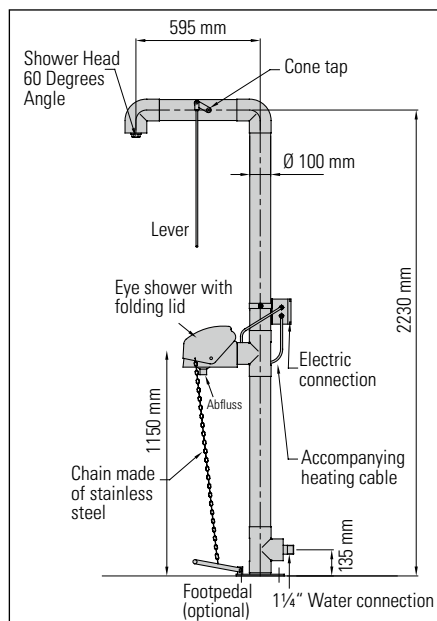
Eye and body shower MD 250/50,
Order no. 266-123-J1

Eye and body shower MD 250/50 with DVGW certificate,
Order no. 266-124-J1

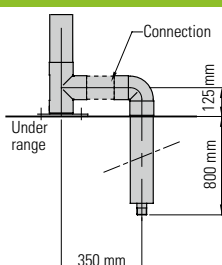
■ Frost-proof down to -30 °C

Eye and body shower MB 250/50,
Order no. 266-125-J1

Eye and body shower MB 250/50 with DVGW certificate,
Order no. 266-126-J1



Order at the same time



- Heated underfloor extension pipe for frost-free water supply for eye and body showers MD/MB 250/50, Ex-proof, Order no. 266-129-J1

Ex-proof, with DVGW certificate,
Order no. 266-130-J1

- Foot pedal for opening and activating the eye shower, Order no. 266-128-J1



Model G 1991, STAINLESS STEEL

- Stainless steel design, giving optimal corrosion protection
- Eye wash shower with stainless steel basin

Order no. 117-468-J1

Order at the same time

Stainless steel foot pedal for turning the eye shower on and off, for model G 1991, Order no. 216-989-J1

Explanation of pictograms



Size (length)



Anti-fatigue protection



Conforms to slip resistance test EN 13552 category R10



Insulation (from cold floors)



Flooring is protected



Resistant to oil



Flame retardant, fire protection



Liquids can drain away, drainage



Ideal for welding workplaces

Safety and comfort in dry work areas



- Prevent early signs of fatigue
- With non-slip structured surface
- Insulation against cold floor, vibration and noise
- Suitable for light to normal use
- Vinyl foam construction with closed pores at the surface to increase comfort when walking and standing
- For dry work areas
- Non-slip surface as per DIN 51130
- 4 bevelled edges to prevent tripping
- Environmentally produced - free from DOP, DMF and ozone-damaging substances
- Silicon free

We have three anti-fatigue matting solutions



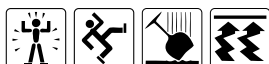
Vinyl foam with groove profile



Vinyl foam with structured surface, grey



Vinyl foam with structured surface, black with yellow safety edges



Model	Ready-made anti-fatigue mats	
	S 9.15	S 9.R
Version	Mat	Roll
External dimensions W x D [mm]	910 x 1500	910 x 18300
Material thickness [mm]	10	10
Material	PVC	PVC
Grey		
Order number Groove profile	123-393-J1	137-049-J1
Order number Structured surface	123-404-J1	137-052-J1
Yellow / Black		
Order number Structured surface	123-408-J1	137-056-J1

Model*	Made to measure anti-fatigue mats		
	S 6.K	S 9.K	S 12.K
Width, external [mm]	600	910	1220
Length optional**	yes	yes	yes
Material thickness [mm]	10	10	10
Material	PVC	PVC	PVC
Grey			
Order number Groove profile	195-125-J1	137-054-J1	195-127-J1
Order number Structured surface	195-128-J1	137-055-J1	195-129-J1
Yellow / Black			
Order number Structured surface	195-130-J1	137-053-J1	195-131-J1

*Supplied to your required length in 5 cm steps, price per meter

**If required, available up to 18.3 m long, tailor made

The comfort favourite, with stud plate design

- Improved comfort when standing thanks to micro cellular vinyl construction which creates millions of enclosed air bubbles
- Protects the feet, joints and spine, improves blood circulation
- Prevents cold from rising from the floor
- For medium duty use
- Durable surface increases life by 50% compared to normal micro cellular vinyl floor matting
- For dry work areas
- 4 sloping edges to prevent tripping
- Anti-slip surface with stud plate structure for comfortable standing and safety when walking
- Anti-slip surface R10 in accordance with DIN 51130 and BGR 181
- Combustion class 2 as per NFPA safety code 101



Industrial stud plate design
allows free movement

BESTSELLER



Model	Ready-made anti-fatigue mats	
	DS 9.15	DS 9.R
Version	Mat	Roll
External dimensions W x D [mm]	910 x 1500	910 x 18300
Material thickness [mm]	13	13
Material	PVC	PVC
Weight [kg]	6	64
Order number	123-414-J1	137-057-J1

Model*	Made to measure anti-fatigue mats		
	DS 6.K	DS 9.K	DS 12.K
Width, external [mm]	600	910	1220
Length optional**	yes	yes	yes
Material thickness [mm]	13	13	13
Material	PVC	PVC	PVC
Weight [kg/m]	2.3	3.5	4.7
Order number	179-375-J1	137-058-J1	179-376-J1

*Supplied to your required length in 5 cm steps, price per meter

**If required, available up to 18.3 m long, tailor made

Explanation of pictograms

See page
482

The comfort choice with dimpled profile

- Very high levels of standing comfort, protects joints with special microcellular vinyl construction
- For dry work areas such as order picking
- For medium duty use
- Heavy duty surface increases life by 50% compared to normal micro cellular vinyl matting
- Anti-slip surface with dimples reduces fatigue and ensures safety when walking
- Anti-slip R10 in accordance with DIN 51130 and BGR 181
- Combustion class 2 as per NFPA safety code 101
- Sloping edges on all four sides to prevent tripping.

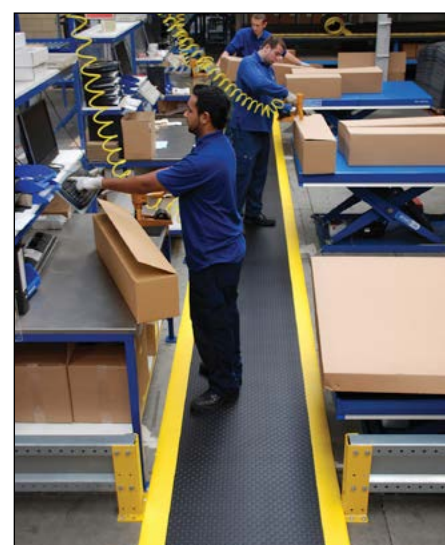


Model	Ready-made anti-fatigue mats	
	BS 6.9	BS 9.15
Version	Mat	Mat
External dimensions W x D [mm]	600 x 910	910 x 1500
Material thickness [mm]	13	13
Material	PVC	PVC
Weight [kg]	2.1	5.3
Order number Grey	247-760-J1	247-761-J1
Order number Yellow / Black	247-765-J1	247-766-J1

NEW



Dimpled surface for high
level of standing comfort



Model*	Made to measure anti-fatigue mats		
	BS 6.K	BS 9.K	BS 12.K
Width [mm]	600	910	1220
Length optional**	yes	yes	yes
Material thickness [mm]	13	13	13
Material	PVC	PVC	PVC
Weight [kg/m]	2.3	3.5	4.7
Order number Grey	247-762-J1	247-763-J1	247-764-J1
Order number Yellow / Black	247-767-J1	247-768-J1	247-769-J1

*Supplied to your required length in 5 cm steps, price per meter

**If required, available up to 18.3 m long, tailor made

NEW



Anti-fatigue mats for dry or oily areas

- For medium duty use
- In either natural rubber for general use or nitrile rubber for work areas involving contact with grease and oil
- High levels of standing comfort
- Dimpled surface for safe standing and prevention of fatigue
- The mat grips the floor and won't slip.
- Anti-slip R9 in accordance with DIN 51130 and BGR 181
- 4 sloping edges to prevent tripping

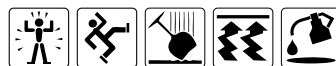


Dimpled non-slip surface for comfortable walking and standing

Explanation of pictograms

See page
482

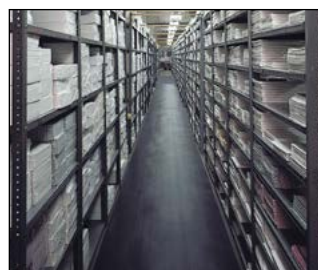
Model	SB 6.9	SB 9.12	SB 9.15
Material	Natural rubber	Natural rubber	Natural rubber
External dimensions W x D [mm]	600 x 900	900 x 1200	900 x 1500
Material thickness [mm]	13	13	13
Weight [kg]	6	12	16
Order number	247-747-J1	247-748-J1	247-749-J1



Model	SB 6.9	SB 9.12	SB 9.15
Material	Nitrile rubber	Nitrile rubber	Nitrile rubber
External dimensions W x D [mm]	600 x 900	900 x 1200	900 x 1500
Material thickness [mm]	13	13	13
Weight [kg]	6	11	16
Order number	247-750-J1	247-751-J1	247-752-J1

Universal non-slip runner

- Reduces the risk of slipping, increases work safety
- Suitable for a use in a range of different industries, where the risk of slipping needs to be minimised
- Rolls with excellent rip and abrasion resistance
- Also suitable for trucks or tool carts
- Resistant to a number of acids and chemicals



Universal non-slip runner as floor covering



Universal non-slip runner on which to place tools

Explanation of pictograms

See page
482

Design	Fine grooves	Wide grooves	Hammer blow look	Stud plate look
External dimensions W x D [mm]	1000 x 10000	1200 x 10000	1400 x 10000	910 x 22800
Material thickness [mm]	3	6	3	4
Material	Rubber	Rubber	Nitrile rubber	PVC
Weight [kg]	33	86	52	91
Order number Black	165-090-J1	165-096-J1	165-098-J1	179-377-J1
Order number Grey	165-093-J1	—	—	179-378-J1

Industry best seller

- For dry industrial work areas
- Anti-slip surface reduces early fatigue
- For intensive use, e.g. multi-shift operations
- Anti-slip coating with stud plate structure
- Optimum slip prevention, tested to DIN 51130, R10
- Flame-retardant, fire protection class bfl-s1
- Resistant to numerous chemicals
- Long life laminated PVC surface with a cushioning layer of vinyl foam
- Reduces vibration
- RedStop™ non-slip backing prevents the mat moving
- Bevelled edges on all sides

Explanation of pictograms

See page
482



Model	Ready-made anti-fatigue mats	
	CT 6.9	CT 9.15
Version	Mat	Mat
External dimensions W x D [mm]	600 x 910	910 x 1520
Material thickness [mm]	14	14
Material	PVC	PVC
Weight [kg]	4	8
Order number	123-372-J1	123-373-J1

BESTSELLER



Chamfered on all sides, yellow safety border and RedStop™ non-slip coating on the underside

Model*	Made to measure anti-fatigue mats			
	CT 6.K	CT 9.K	CT 12.K	CT 15.K
Width [mm]	600	910	1220	1520
Length optional**	yes	yes	yes	yes
Material thickness [mm]	14	14	14	14
Material	PVC	PVC	PVC	PVC
Weight [kg/m]	4	5	7	9
Order number	162-210-J1	162-211-J1	162-212-J1	247-759-J1

*Supplied to your required length in 5 cm steps, price per meter

**If required, available up to 22.8 M long, tailor made

The industrial mat for extra comfort when standing

- Especially heavy duty, long lasting and easy to use
- For dry industrial work areas
- For intensive use, e.g. multi-shift operations
- Combination of an extra heavy duty PVC surface and a resistant microcellular vinyl; strong material strength for high levels of comfort when standing
- Dimpled anti-slip surface
- Anti-slip R9 in accordance with DIN 51130 and BGR 181
- Flame-retardant: fire protection class Cfl-S2 tested per DIN EN 13501
- Resistant to many chemicals
- RedStop™ non-slip backing prevents the mat moving
- 4 sloping edges to prevent tripping



Model	Ready-made anti-fatigue mats	
	ST 6.9	ST 9.15
Version	Mat	Mat
External dimensions W x D [mm]	600 x 910	910 x 1500
Material thickness [mm]	19	19
Material	PVC	PVC
Weight [kg]	4	10
Order number	247-753-J1	247-754-J1

NEW



Yellow safety border, chamfered on all sides and RedStop™ non-slip coating on the underside



Model*	Made to measure anti-fatigue mats			
	ST 6.K	ST 9.K	ST 12.K	ST 15.K
Width [mm]	600	910	1220	1520
Length optional**	yes	yes	yes	yes
Material thickness [mm]	19	19	19	19
Material	PVC	PVC	PVC	PVC
Weight [kg/m]	5	6	8	10
Order number	247-755-J1	247-756-J1	247-757-J1	247-758-J1

*Supplied to your required length in 5 cm steps, price per meter

**If required, available up to 21.9 m long, tailor made

Connecting system for dry or oily areas

- For intensive use
- In either natural rubber for general applications or oil resistant, flame retardant nitrile rubber, suitable for welding workstations for example



- Flexible connection system for large surface areas or individual adjustment to the customer's available space
- High degree of standing comfort and long life
- Closed non-slip surface for safe standing and relief of fatigue
- Resistant to numerous chemicals (at temperatures up to 60° C)
- Silicone-free, therefore also suitable for use in paintshops
- Double sided with pre-assembled connecting edges, can be expanded with additional mats or edge strips when laying large areas
- Tested for slip resistance R 9 in accordance with DIN 51130 and BGR 181



Interlocking floor tiles with closed surface, edge strips available as an option

Explanation of pictograms

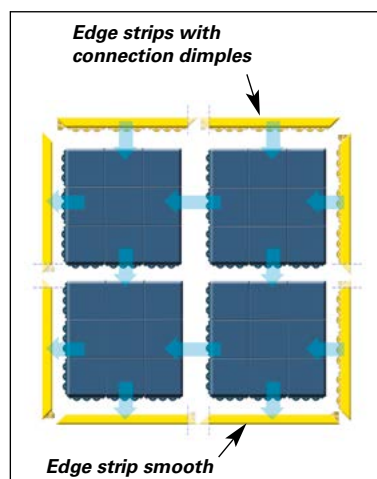
See page
482



Model	CS 9.9
Material	Natural rubber
Field of use	For general use
External dimensions W x D [mm]	910 x 910
Material thickness [mm]	19
Weight [kg]	13
Order number	123-376-J1



Model	CS 9.9
Material	Nitrile rubber
Field of use	Oil resistant, flame retardant, suitable for welding workplaces
External dimensions W x D [mm]	910 x 910
Material thickness [mm]	19
Weight [kg]	13
Order number	162-184-J1



Variable interlocking system for large or individual surfaces: The tiles can be easily joined together, edge strips available as an option.



Accessories	Edge strip	
Colour	Yellow	Black
Order number Smooth	162-186-J1	162-189-J1
Order number With connection dimples	162-185-J1	162-187-J1

Mats for dry or oily areas

- Resistant to many industrial oils
- The abrasion resistant surface ensures safety, while oil can flow away in the drain channels
- Ideal for multi-shift working
- For intensive use
- Made from 100% nitrile rubber
- For dry or oily industrial work areas
- Excellent protection against signs of fatigue from standing all day
- Anti-slip R10 in accordance with DIN 51130 and BGR 181
- Orange safety sloping edges on 3 sides, more available as an option

NEW

Explanation
of pictograms

See page
482



Model	So 9.15	SR 6.10	SR 9.16
Design	Not chamfered	Chamfered on 3 sides	Chamfered on 3 sides
External dimensions W x D [mm]	900 x 1500	660 x 1020	970 x 1630
Material thickness [mm]	20	20	20
Material	Nitrile rubber	Nitrile rubber	Nitrile rubber
Colour	Black	Black	Black
Weight [kg]	20.3	10.4	24.7
Order number	247-736-J1	247-734-J1	247-735-J1



Order at the same time



Joining element,
Order no. 162-178-J1



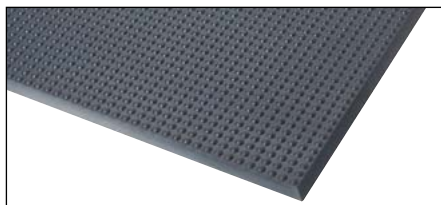
Safety edge strips, 152 cm long,
Order no. 162-180-J1

Safety edge strips, 90 cm long,
Order no. 162-179-J1

Skywalker anti-fatigue mat

- Ergonomic walking and standing
- For dry work areas, for example finishing and dispatch
- For medium duty use
- SOFT polyurethane mats with even cellular structure
- Temperature resistance: -40° C to +80° c
- 4 sloping edges to prevent tripping

BESTSELLER



Skywalker 1, thickness 14 mm. The dimpled design stimulates the muscles ensuring blood circulation



Skywalker 2, thickness 13 mm. The flat dimpled design combines freedom of movement and a non-slip surface. For workstations where the user frequently twists and turns on the spot



Model	Skywalker 1, small	Skywalker 1, medium	Skywalker 1, large	Skywalker 2, small	Skywalker 2, medium	Skywalker 2, large
External dimensions W x D [mm]	650 x 950	950 x 1250	950 x 1850	650 x 900	900 x 1250	900 x 1850
Material thickness [mm]	14	14	14	13	13	13
Material	PU foam	PU foam	PU foam	PU foam	PU foam	PU foam
Weight [kg]	3	6	9	3	6	8
Order number	165-078-J1	165-081-J1	165-084-J1	165-085-J1	165-086-J1	165-087-J1

Floor tiles with connecting system for dry or oily industrial areas

- Flexible joining system for heavy duty use
- Suitable for multi-shift working
- In either natural rubber for general applications or oil resistant, flame retardant nitrile rubber, suitable for welding workstations for example



- Available as square rubber mat tiles or 45° angle mats
- The mats can be joined together simply to cover a larger area or to create individual workstations.
- The ergonomic dimpled surface ensures a safe tread and helps with fatigue.
- Anti-slip R9 in accordance with DIN 51130 and BGR 181
- Silicon free, so also suitable for automotive paint shops for example



Go online! Discover even more exciting product highlights!

➔ www.denios.co.uk



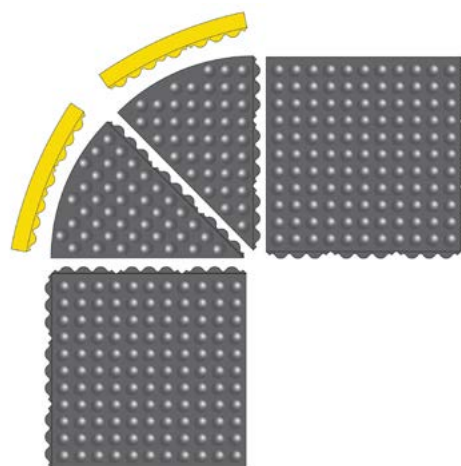
Model	SH 9.9	SH 9.45
Material	Natural rubber	Natural rubber
Field of use	For general use	
Design	Rectangular	45° angle
External dimensions W x D [mm]	910 x 910	45 x 910
Material thickness [mm]	13	13
Weight [kg]	11	5
Order number	247-737-J1	247-743-J1



Explanation of pictograms

See page
482

Model	SH 9.9	SH 9.45
Material	Nitrile rubber	Nitrile rubber
Field of use	Oil resistant, flame retardant, suitable for welding workplaces	
Design	Rectangular	45° angle
External dimensions W x D [mm]	910 x 910	45 x 910
Material thickness [mm]	13	13
Weight [kg]	11	5
Order number	247-738-J1	247-744-J1



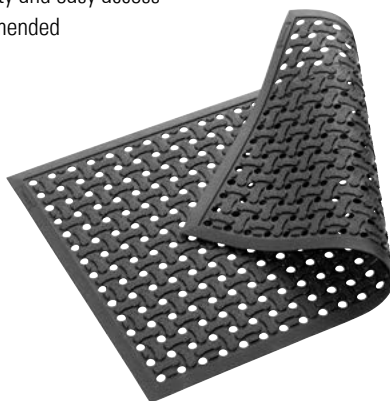
Accessories	Edge strip for square rubber mat tile	
Colour	Black	Yellow
Order number Male connector	247-739-J1	247-741-J1
Order number Female connector	247-740-J1	247-742-J1



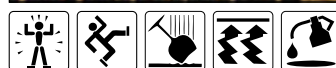
Accessories	Edge strip for rubber mat tile, 45° angle	
Colour	Black	Yellow
Order number Male connector	247-745-J1	247-746-J1

Anti-slip mats for damp, dry or oily areas

- Can be used both sides
- In either natural rubber for general use or nitrile rubber for work areas involving contact with grease or oil
- For medium duty use
- Drainage holes and raised ribs ensure liquids and dirt are channelled away. The surface remains clean and safe.
- Low weight, makes it easy to move or clean the mat
- Anti-slip surface for safe, comfortable standing; mat grips the floor to prevent movement
- 4 sloping edges for trip-free safety and easy access
- High pressure cleaning is recommended



Model	SF 6.9	SF 9.15	SF 12.18
Material	Natural rubber	Natural rubber	Natural rubber
External dimensions W x D [mm]	600 x 900	910 x 1520	1220 x 1830
Material thickness [mm]	9	9	9
Colour	Black	Black	Black
Weight [kg]	5	16	25
Order number	247-725-J1	247-726-J1	247-727-J1



Model	SF 6.9	SF 9.15	SF 12.18
Material	Nitrile rubber	Nitrile rubber	Nitrile rubber
External dimensions W x D [mm]	600 x 900	910 x 1520	1220 x 1830
Material thickness [mm]	9	9	9
Colour	Black	Black	Black
Weight [kg]	5	16	25
Order number	247-728-J1	247-729-J1	247-730-J1

Explanation of pictograms

See page
482

Anti-fatigue mats for dry or oily areas

- Resistant to oils and grease
- High levels of standing comfort
- For medium duty use in standing work areas
- 75% nitrile rubber mixture, ideal for environments involving contact with grease and oil
- Dimpled surface for safe standing and prevention of fatigue
- The mat grips the floor and won't slip.
- Anti-slip R9 in accordance with DIN 51130 and BGR 181
- Sloping edges on all four sides to prevent tripping.



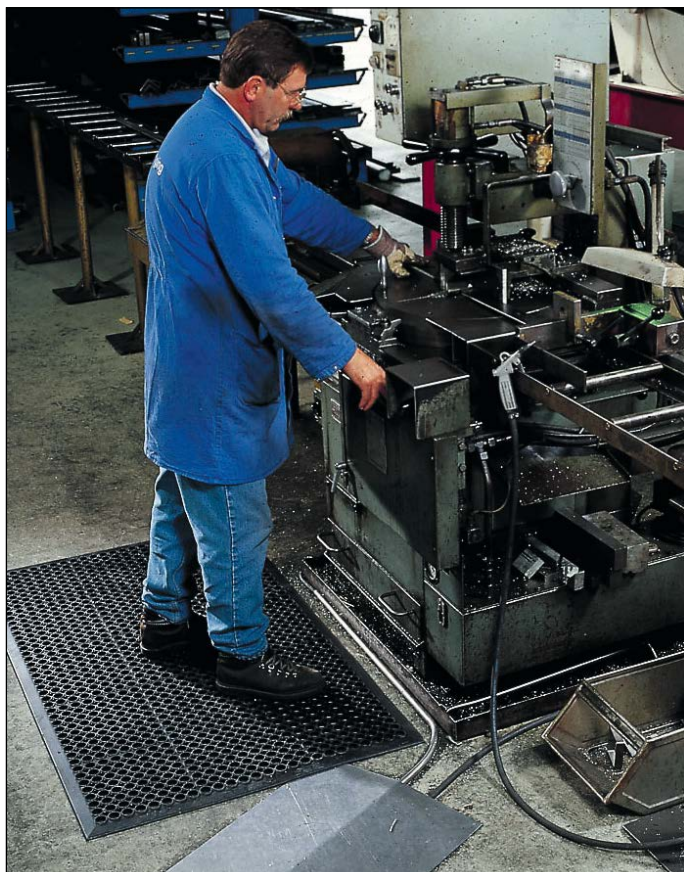
Model	SR 6.9	SR 9.12	SR 9.15
External dimensions W x D	600 x 900	900 x 1200	900 x 1500
Material thickness [mm]	13	13	13
Colour	Red	Red	Red
Material	Nitrile rubber mix	Nitrile rubber mix	Nitrile rubber mix
Weight [kg]	6	12	16
Order number	247-731-J1	247-732-J1	247-733-J1



Ergonomic safety matting for wet areas

For general applications the black mats made from natural rubber mixture are more suitable
For handling oil and greases the red mats made from nitrile rubber mixture are more suitable

- For medium duty use
- Springy rubber for greater comfort when standing and fewer signs of fatigue
- The surface remains dry, clean and non-slip as fluid can drain off through large drain holes and raised ribs on the underside
- 4 sloping edges for safety and easy vehicle access
- Non-slip surface as per DIN 51130
- Cleaning with soap and water is recommended for increased life



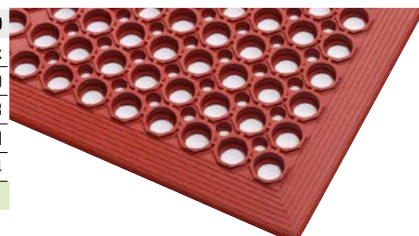
Model	ST 9.15	ST 9.30	ST 9.60
Material	Natural rubber mix	Natural rubber mix	Natural rubber mix
External dimensions W x D (mm)	900 x 1520	900 x 2970	900 x 5940
Material thickness (mm)	13	13	13
Colour	Black	Black	Black
Weight (kg)	11	22	44
Order number	123-362-J1	162-166-J1	162-170-J1

Explanation of pictograms

See page
482

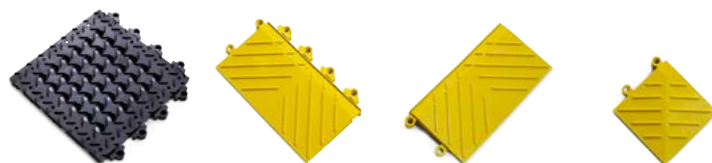


Model	ST 9.15	ST 9.30	ST 9.60
Material	Nitrile rubber mix	Nitrile rubber mix	Nitrile rubber mix
External dimensions W x D (mm)	900 x 1520	900 x 2970	900 x 5940
Material thickness (mm)	13	13	13
Colour	Red	Red	Red
Weight (kg)	11	22	44
Order number	123-363-J1	162-168-J1	162-171-J1



Flooring solutions for wet, dry or oily areas

- **Flexible connection system makes it easy to lay a large area of workshop matting**
- For intensive use
- Very good anti-fatigue characteristics thanks to extremely flexible design on the underside
- For wet, dry or oily areas
- The flexible connection system ensures a firm permanent join (no adhesive is required)
- Dirt and liquids can flow away through the drainage system
- Resistant to synthetic / hydraulic oils
- Fire protection class cfl-s2 in accordance with EN ISO 13501 and class 1
- Anti-slip surface for high tread safety, non-slip stud-plate profile, R10
- Anti-slip R10 in accordance with DIN 51130 and BGR 181
- Yellow, sloping safety edges and corners



Model	Fleece flooring DF	Safety edge DF	Safety edge DF	Safety CORNER DF
Design	—	Male connector	Female connector	—
Material	PVC	PVC	PVC	PVC
External dimensions W x D [mm]	305 x 305	152 x 305	152 x 305	152 x 152
Material thickness [mm]	25	25	25	25
Colour	Black	Yellow	Yellow	Yellow
Weight [kg]	0.9	0.4	0.4	0.2
Order number	179-383-J1	179-384-J1	179-385-J1	179-386-J1



Available with suitable edge strips to minimise the risk of falling and allow easy access



Mats for wet, dry or oily areas

- **Resistant to oils and grease**
- **High levels of comfort and flexibility**
- For intensive use
- Robust 100% nitrile rubber mats, ideal for industrial use
- Excellent protection against signs of fatigue from standing all day
- For wet, dry or oily areas
- Excellent drainage and ventilation ensure a dry, clean workplace
- Additional safety edges can be added if required
- Anti-slip surface R10 in accordance with DIN51130 and BGR181



Explanation of pictograms

See page
482

Model	So 9.15	SR 6.10	SR 9.16	SR 9.30
Design	Not chamfered	Chamfered on 3 sides	Chamfered on 3 sides	Chamfered on 3 sides
Material	Nitrile rubber	Nitrile rubber	Nitrile rubber	Nitrile rubber
External dimensions W x D [mm]	900 x 1520	660 x 1020	970 x 1630	970 x 3150
Material thickness [mm]	22	22	22	22
Colour	Black	Black	Black	Black
Weight [kg]	16	9	21	38
Order number	162-173-J1	162-174-J1	162-175-J1	162-176-J1



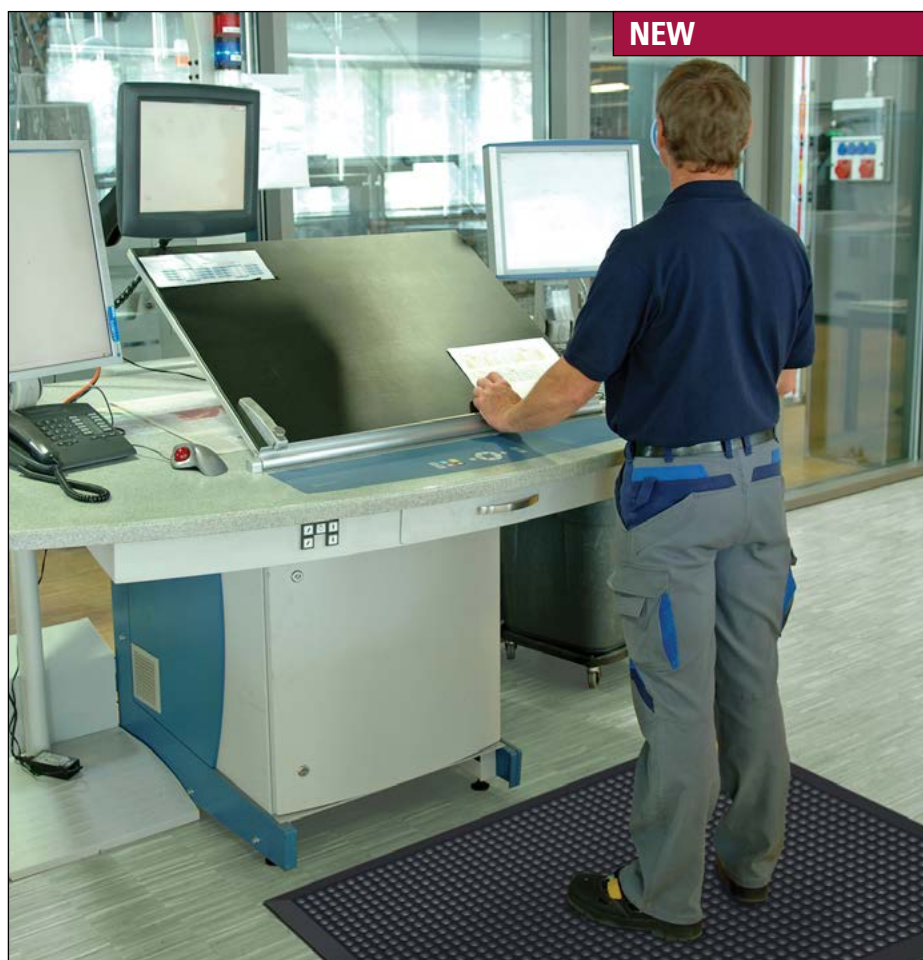
Order at the same time



Joining element,
Order no. 162-178-J1



Safety edge strips, 152 cm long, Order no. 162-180-J1
Safety edge strips, 90 cm long, Order no. 162-179-J1



Anti-static matting

- **In dissipative natural rubber**
- **High levels of standing comfort**
- For medium duty use in standing work areas
- Dimpled surface for safe standing and prevention of fatigue
- The mat grips the floor and won't slip.
- For dry work areas
- Meets IEC 61340-4-1 (category DIF), measured resistance $R_g 10^6 - 10^9 \text{ Ohm}$, $R_p 10^6 - 10^9 \text{ Ohm}$
- Electrostatic load (walking test) meets ISO6356 and EN1815.
- Anti-slip R9 in accordance with DIN 51130 and BGR 181
- Sloping edges on all four sides to prevent tripping



Explanation of pictograms

See page
482



Dissipative anti-fatigue matting for protection from static charge. The dimples and the high quality rubber material ensure a high degree of standing comfort.

Model	SE 6.9	SE 9.12	SE 9.15
External dimensions W x D [mm]	600 x 900	900 x 1200	900 x 1500
Material thickness [mm]	13	13	13
Material	Natural rubber	Natural rubber	Natural rubber
Weight [kg]	6	12	16
Order number	247-773-J1	247-774-J1	247-775-J1

Anti-static matting

- Protects workers and sensitive equipment from self-generated static charge, anti-static mats prevent this
- Increased comfort and safety
- Mat with a hard laminated surface combined with an insulating foam vinyl layer
- Stud plate surface to ensure good slip resistance and ease of turning on the mat
- For medium duty use in dry work areas
- Includes earthing cable, attaches to the mat with a simple press stud
- Earthing cable with Ring eye connection or press stud
- Fire protection class cfl-s1, tested to EN 13 13501-1
- Meets IEC 61340-4-1 (category DIF), measured resistance $R_g 10^6 - 10^9 \text{ Ohm}$, $R_p 10^6 - 10^9 \text{ Ohm}$
- Electrostatic load (walking test) meets ISO 6356 and EN 1815
- 4 sloping edges to prevent tripping
- With RedStop™ non-slip backing to prevent the mat slipping
- Anti-slip R10 in accordance with DIN 51130 and BGR 181

Explanation of pictograms

See page
482



Model*	Anti-static 1	Anti-static 2	Anti-static 3
Version	Mat	Mat	Ready-made products
Width, external [mm]	910	910	910
Overall length [mm]	1500	3000	—
Length optional**	No	No	yes
Material thickness [mm]	14	14	14
Material	PVC	PVC	PVC
Order number Earthing cable Ring connection	165-103-J1	165-104-J1	165-106-J1
Order number Earthing cable press stud	165-543-J1	165-545-J1	165-546-J1

*Model ANTI-STATIC 3: supplied to your required length in 5 cm steps, price per metre

**If required, available up to 22.8 M long, tailor made



Stud plate surface to ensure good slip resistance and ease of turning on the mat



Detailed illustration: earthing connection with press stud secured to the mat

Order at the same time

Earthing cable

- Additional earthing cable for anti-static mats (one for each mat)
- 4.5 M long cable with contact for earthing
- Earthing cable with Ring connection for earthing
- Easy to fit, simply fix the press stud to the mat and connect it to the earthing cable



Earthing cable with Ring connection for earthing,
Order no. 165-114-J1



Earthing cable with 10 mm press stud,
Order no. 165-115-J1



Earthing plug for earthing cable with 10 mm press stud,
Order no. 165-116-J1

Heel strip

- The band has conductive rubber band, which provides the necessary contact between the person and the mat
- The dampness of the shoe is used to form a connection with the body



Order no. 165-109-J1



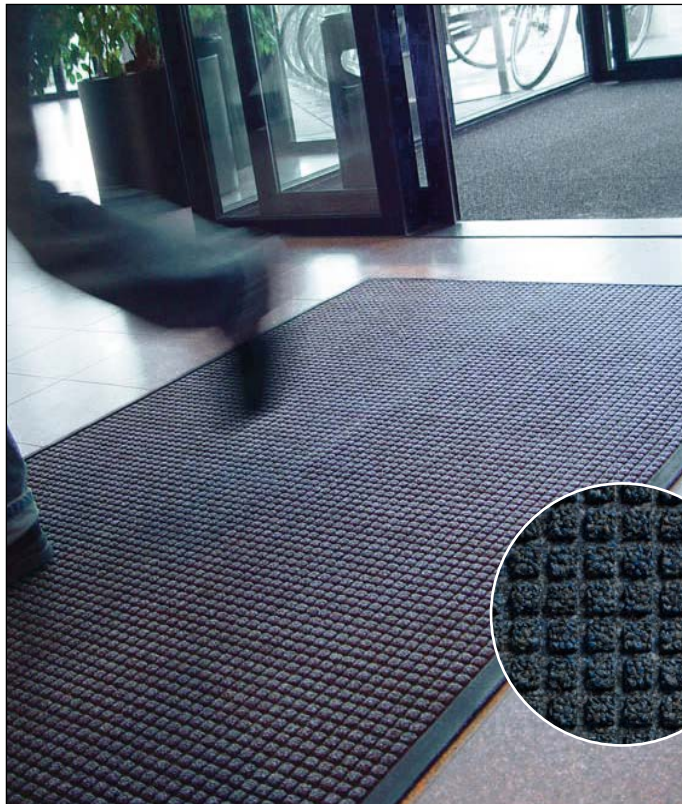
Entrance mats for indoor use

Model AT, herringbone pattern

- Ideal for heavy traffic entrance areas
- Keeps shoes free of dirt and damp
- Highly effective cleaning thanks to multi-directional brushing action of the herringbone pattern
- Antistatic polypropylene fibres, fibre density: 1200 G/m²
- Absorption: 4 litres of water per m²
- Robust vinyl backing rip resistant, waterproof resistant and slip resistant
- Total weight: 3900 G/m²



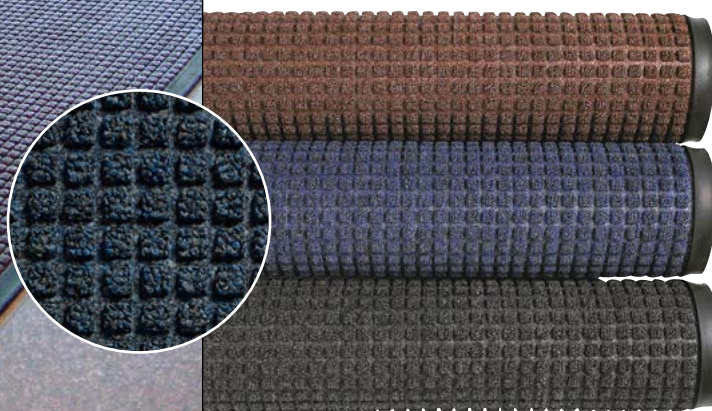
Model	AT 6.9	AT 9.15	AT 12.18
External dimensions W x D [mm]	600 x 900	900 x 1500	1200 x 1800
Material thickness [mm]	11	11	11
Order number Grey	123-235-J1	123-236-J1	123-237-J1
Order number Brown	123-238-J1	123-239-J1	123-240-J1



Entrance mats for indoor use

Model GU, waffle design

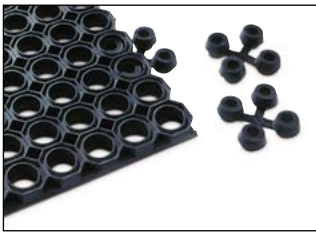
- Robust entrance matting for heavily used walkways
- Heavy duty, long lasting carpet mat
- Looped textile mat with "waffle design", on an anti-slip, sturdy rubber backing
- Removes dirt from shoes and holds dust and damp
- Trip-free bevelled edges
- Total weight: 4300 G/m²



Model	GU 6.9	GU 9.15	GU 12.18
External dimensions W x D [mm]	600 x 900	900 x 1500	1200 x 1800
Material thickness [mm]	10	10	10
Order number Brown	162-134-J1	162-147-J1	162-151-J1
Order number Blue	162-144-J1	162-148-J1	162-153-J1
Order number Black	162-146-J1	162-150-J1	162-155-J1

Entrance mats for outdoor use

- For busy entrance areas in industrial zones
- Can be extended
- Suitable for stripping off and removing dirt from shoes
- Extremely durable natural rubber weather resistant mat
- Ring mat with a slip resistant surface
- Textured underneath to allow water to drain on all sides, ensures clean dry surface
- Clean with water jet or by shaking
- Available in two designs:
 - Model OF with hole Ø 14 mm, Model OM with hole Ø 28 mm



Dirt trapper mats Model OM with drain holes (Ø 28 mm) and joining sections



Smaller openings (diameter 12 mm) make it easier to walk and drive on and prevent tripping

Dirt trapper Mats Model OF, with drain holes (Ø 14 mm) and joining sections

Model	OM 8.10	OM 10.15
External dimensions W x D [mm]	750 x 1000	1000 x 1500
Material thickness [mm]	23	23
Material	Natural rubber	Natural rubber
Colour	Black	Black
Order number	123-232-J1	123-233-J1
Accessories	Joining sections, for joining together several mats	
Pack contents	10 Item(s)	10 Item(s)
Order number	123-234-J1	123-234-J1

Model	OF 8.10	OF 10.15
External dimensions W x D [mm]	750 x 1000	1000 x 1500
Material thickness [mm]	12	12
Material	Natural rubber	Natural rubber
Colour	Black	Black
Order number	162-156-J1	162-158-J1
Accessories	Joining sections, for joining together several mats	
Pack contents	10 Item(s)	10 Item(s)
Order number	162-159-J1	162-159-J1

Entrance mats for outdoor use

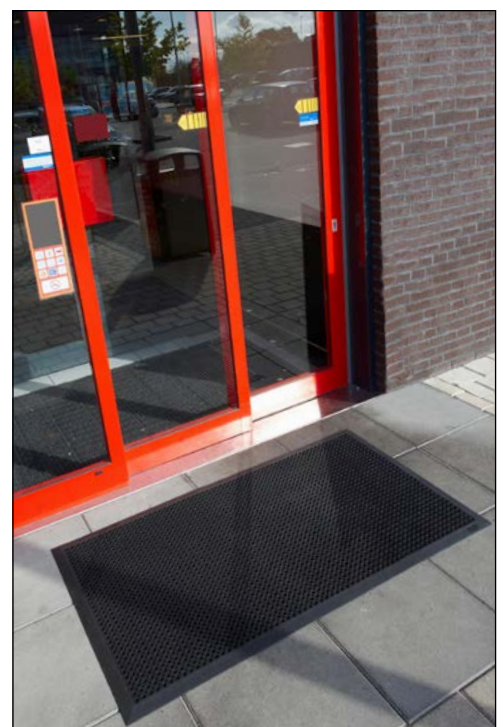
- Ideal for heavy traffic entrance areas
- Scrapes dirt from the soles of shoes before it is walked through the building
- In strong natural rubber, extremely weather resistant and suitable for heavy duty use
- Ring mat with a slip resistant surface
- Small drainage holes (Ø 14 mm), ideal for access with trolleys, carts, wheelchairs etc
- With high ribs on the underside, fluid can drain off so the surface remains dry and clean.
- Sloping edges to prevent tripping
- Simple to clean with a hose



Dirt trapper mat Model OB with small drainage holes (Ø 14 mm) and chamfered edges to ensure trip-free access

Model	OB 7.9	OB 9.15	OB 12.18
External dimensions W x D [mm]	700 x 900	900 x 1500	1200 x 1800
Material thickness [mm]	12	12	12
Material	Natural rubber	Natural rubber	Natural rubber
Colour	Black	Black	Black
Order number	247-770-J1	247-771-J1	247-772-J1

NEW



5

CLEANING AND DISPOSAL

KEEP ORDER

Order and cleanliness mean safety. This is why our range includes many innovative products for cleaning, safe collection of waste and legally-compliant disposal.



498 Biological parts cleaning
bio.x



504 Small parts cleaners



506 Spray cans and plunger
cans





510 Magnetic collectors for metal scrap



512 Liquid vacuum cleaners, oil tape skimmers and safety vacuum cleaners





When using the bio.x cleaning fluid

The new bio.x C100 cleaning table from DENIOS combines modern design with maximum functionality and stable construction. The user-friendly device heats the solvent-free cleaning bath to a pleasant 41 °C and ensures efficient cleaning by brushing, spraying or soaking in a spacious and barrier-free wash basin. Thanks to the aqueous bio.x cleaner, oils, fats and other contamination are cleaned without the use of solvents. This innovative cleaning concept protects the environment and guarantees maximum safety in the workplace.

BIO.X MADE BY DENIOS

bio.x

bio.x C100

- Cleaning system for solvent free parts cleaning
- Especially energy efficient
- Ideal for the removal of oil and grease from metal and plastic parts

- ① The workpieces are rinsed by a nozzle. The nozzle can be fixed in the required position by the flexible hose.
- ② The cleaning brush supports cleaning of very dirty parts.
- ③ The large cleaning surface allows effective working.
- ④ High load capacity of washstand due to stable device design. Device is made of plastic and is therefore very firm and corrosion-proof.
- ⑤ Simple transport by pallet truck.
- ⑥ Multi-stage filter system consisting of coarse strainer, fine strainer and magnet. In addition, a washable filter bag (fineness: 100 µm) retains the finest contamination before it reaches the bath.
- ⑦ Functional controls with SOFT touch control panel guarantees energy savings of approx. 50 % When energy-saving mode is selected.

Order at the same time**Lid**

Order no. 274-093-J1



Cleaning table bio.x C100, Order no. 274-084-J1



Cleaning table bio.x C100

Model	bio.x C100
Work surface height [mm]	960
Width, useful area [mm]	950
Useful area depth [mm]	600
Overall load capacity [kg]	250
Cleaner filling amount [l]	100
External dimensions L x W x H [mm]	770 x 1100 x 1010
Operating temperature [°C]	41
Nominal voltage [V]	230
Order number Base unit	274-084-J1
Order number Complete set (consisting of device, lid and initial filling of bio.x cleaner, equivalent to 100 l cleaning fluid)	274-092-J1
Lid	
Order number	274-093-J1
Perforated plate	
Order number	274-095-J1
Storage area	
Order number	274-104-J1



When using the bio.x cleaning fluid

BIO.X MADE BY DENIOS

bio.x

The new bio.x B60 parts washing table from DENIOS is a compact unit with a new, attractive design for tight spaces and mobile use. The table is simple to operate and at the same time meets the ergonomic requirements for solvent-free healthy cleaning. With integral castors (optional accessory), the manoeuvrable unit can be easily moved and used at different locations.

bio.x B60

- Compact cleaning table for efficient and environmentally-friendly parts cleaning without solvents
- Especially energy efficient
- Modern design and technology at the highest level

- ① Stubborn dirt can be removed using the robust cleaning brush.
- ② Double-walled plastic washstand is extremely firm and absolutely rustproof.
- ③ The pump is switched on at the touch of a button.
- ④ The powerful heating heats the cleaning bath to 41 °C and ensuring optimal washing power of the aqueous cleaner.
- ⑤ Multi-stage filter system consisting of coarse strainer, fine strainer and magnet. In addition, a washable filter bag (fineness: 100 µm) retains the finest contamination before it reaches the bath.

Optional accessories: The castor set includes swivel castors and brakes and guarantees maximum mobility and easy manoeuvrability. ,
Order no. 274-103-J1

Order at the same time

Lid



Order no. 274-098-J1

NEW



Cleaning table bio.x B60

Model	bio.x B60
Work surface height [mm]	870
Width, useful area [mm]	790
Useful area depth [mm]	520
Overall load capacity [kg]	200
Cleaner filling amount [l]	60
External dimensions L x W x H [mm]	620 x 890 x 880
Operating temperature [°C]	41
Nominal voltage [V]	230
Order number Base unit	274-096-J1
Order number Complete set (consisting of device, lid and initial filling of bio.x cleaner, equivalent to 60 l cleaning fluid)	274-097-J1
Accessories	
Set of castors	
Order number	274-103-J1
Lid	
Order number	274-098-J1
Perforated plate	
Order number	274-099-J1
Storage area	
Order number	274-105-J1

Test it now for 4 weeks!

We would like to offer you the bio.x cleaning table on a four week test basis. Only when you return the equipment would a rental be charged.



When using the bio.x cleaning fluid

DENIOS has developed the smallest and most mobile cleaning device for biological and solvent-free parts cleaning as a table-top unit. Thanks to its compact dimensions and low weight, it can be used for a wide range of cleaning tasks in maintenance, production and workshops at various locations. The table-top unit is exceptionally economical and offers all the important basic functions for manual brush cleaning.

BIO.X MADE BY DENIOS

bio.x

NEW



Table-top unit bio.x A25

bio.x A25

- Mobile table-top unit for workshops and departments with limited space
- Ideal for cleaning small parts, tools, gears, etc.
- Highly mobile device

- ① Small parts can be cleaned effectively using the robust flow-through brush.
- ② The device heats the cleaning bath to a pleasant 40 °C and thus ensures optimal washing power of the aqueous cleaner.
- ③ The optimum fill volume of the tank is 25 litres.
- ④ A filter mat in the unit retains the finest impurities and increases the service life of the cleaning bath.
- ⑤ The submersible pump is switched on and off using the user-friendly control system.
- ⑥ All electronic components of the device are combined in a compact technical unit.
- ⑦ Open the cleaning basin to fill with bio.x cleaner and change the filter mat.
- ⑧ A drain opening on the rear allows the unit to be emptied completely.
- ⑨ The brush can be secured in the basin when the unit is not in use and during transport.
- ⑩ Recessed grips at the sides make it easier to lift and transport the device.

Model	bio.x A25
Work surface height [mm]	285
Width, useful area [mm]	440
Useful area depth [mm]	300
Overall load capacity [kg]	50
Cleaner filling amount [l]	25
External dimensions L x W x H [mm]	560 x 520 x 405
Operating temperature [°C]	40
Order number Base unit	274-100-J1
Order number Complete set (incl. 5 litres of bio.x cleaner concentrate for initial filling)	274-240-J1





When using the bio.x cleaning fluid

BIO.X MADE BY DENIOS

bio.x

The new bio.x C100 XL cleaning table is unique in its size and stability. Especially large and bulky parts can be easily cleaned by one or two users at the same time. The barrier-free work surface guarantees maximum comfort and good accessibility from all sides.

DENIOS INNOVATION

bio.x C100 XL

- Cleaning system for solvent free parts cleaning
- With extra large work surface for especially wide and heavy parts
- Especially stable and energy efficient

NEW



- ① The large cleaning surface allows effective, comfortable working.
- ② A functional control system guarantees energy savings of approx. 50 % When the energy-saving mode has been selected.
- ③ Multi-stage filter system consisting of coarse strainer, fine strainer and magnet. In addition, a washable filter bag (fineness: 100 µm) retains the finest contamination before it reaches the bath.
- ④ Double walled cleaning tank for optimum stability and heat insulation.
- ⑤ With two flow-through brushes on extra long hoses for convenient brushing of dirty parts.
- ⑥ Simple transport by pallet truck.

Test it now for 4 weeks!

We would like to offer you the bio.x cleaning table on a four week test basis. Only when you return the equipment would a rental be charged.

Model	bio.x C100 XL
Work surface height [mm]	950
Width, useful area [mm]	1500
Useful area depth [mm]	950
Overall load capacity [kg]	250
Cleaner filling amount [l]	100
External dimensions L x W x H [mm]	1050 x 1600 x 1025
Operating temperature [°C]	41
Nominal voltage [V]	230
Order number Base unit	180-848-J1
Order number Complete set incl. reusable filter and 100 litres (5 x 20 litres) initial supply	180-849-J1



bio.x cleaner

- Bio cleaner as a ready to use solution for removing oils, greases, cooling agents etc. From metal parts
- Cleans using natural biological processes
- Not subject to solvent regulations
- Compatible with oil separators
- No special safety measures required
- The special micro-organisms break down oils and fats, ensuring that the cleaning fluid can be used for longer while maintaining a high cleaning performance
- Fresh apple scent

Environmentally-friendly parts cleaning with bio.x

The biological cleaners are suitable for all common metals (including aluminium and brass), plastic and painted and galvanised surfaces. They remove oils, light greases, cooling lubricants, corrosion protection products, dirt particles and many other types of contamination.

The natural micro-organisms break down deposits of oils and greases and therefore extend the cleaning bath life.

bio.x cleaners are not subject to the solvent regulations (§ 31BImSchV), are solvent free (VOC free), pH neutral, skin-friendly and environmentally-friendly.

This range of innovative cleaning products with natural micro-organisms is ideally suited to the proven, practical use in bio.x parts cleaning equipment.

Choose the right bio.x cleaner for your needs!

Ready-to-use fluid for bio.x

- NSF certified so suitable for food use
- Universal use, for everyday contamination



Set for initial filling
5 x 20 litre canister,
Order no. 130-030-J1



20 litre canister,
Order no. 130-032-J1



200-litre drum,
Order no. 161-524-J1

Parts cleaner fluid for bio.x

- Cleans using natural biological processes
- Bio cleaner in concentrate form (for mixing with water in 1:4 ratio) for removing oils, greases, cooling agents etc. From metal parts
- Ideally suited as a set for initial filling with bio.x cleaning fluid

5 litre canister
(concentrate)
Order no. 183-543-J1



Set for initial filling
(concentrate)
4 x 5 litre canister,
Order no. 187-606-J1

Parts cleaner fluid for bio.x

- Cleans using natural biological processes
- Optimised degreasing, even for resinous grease
- The special micro-organisms break down oils and fats This ensures that the cleaning fluid can be used for longer while maintaining a high cleaning performance
- Does not produce volatile organic compounds (voc-free)



20 litre canister,
Order no. 194-745-J1

Solvent regulations? Not a problem with bio.x

Solvent-based cold cleaners used to be frequently used for parts cleaning. These pose a serious risk however: Vapours from solvents are harmful to health, harm the environment and entail serious risks of fire and explosion. Since August 2001 the Solvents Directive (31. BImSchV) has defined the requirements for surface cleaning equipment. System operators have to be able to prove that the specified limit for VOC emissions is complied with. The bio.x Parts cleaner unit does not use any solvents and therefore helps avoid VOC emissions.

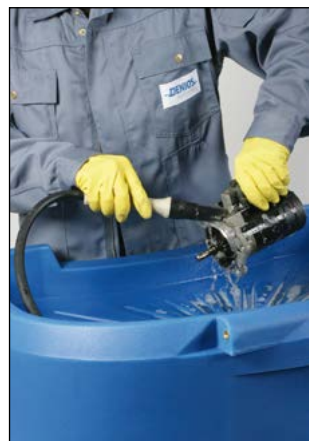
Replace your solvent-based cold parts cleaner fluid with the safe biological cleaner bio.x which is not subject to labelling requirements. It helps minimise the risks to employees and the company and meets the high standards of the solvent regulations. We would be pleased to advise you!

ENVIRONMENTALLY
FRIENDLY



bio.x Power Up

Increases the cleaning action of the bio.x cleaner.



- Can be added to the cleaning bath if necessary when especially heavily contaminated parts are to be cleaned.
- Suitable for all bio.x cleaners.
- The contents of the 5 litre canister are enough for one bath.
- Mildly alkaline, VOC free

NEW

5 litre canister (concentrate),
Order no. 267-681-J1

bio.x Protect

Mild alkali corrosion inhibitor.



- Can be added to the cleaning bath as needed if a temporary increase in corrosion protection is required.
- For corrosion-prone grey cast iron, iron and steel.
- Very efficient concentrate: One litre of bio.x Protect is sufficient for 100 litre of bio.x cleaning fluid.

NEW

5 litre canister (concentrate),
Order no. 267-678-J1

Design	Containers	Order number
Ready-to-use fluid for bio.x	20 litre canister	130-032-J1
Ready-to-use fluid for bio.x	Set for initial filling 5 x 20 litre canister	130-030-J1
Ready-to-use fluid for bio.x	200-litre drum	161-524-J1
Parts cleaner fluid as concentrate	5 litre canister (concentrate)	183-543-J1
Parts cleaner fluid as concentrate	Set for initial filling (concentrate) 4 x 5 litre canister	187-606-J1
Bio cleaner ultra as a ready to use solution	20 litre canister	194-745-J1
bio.x Power Up	5 litre canister (concentrate)	267-681-J1
bio.x Protect	5 litre canister (concentrate)	267-678-J1

Order at the same time

There's even more choice in the shop!



Dispensing pump for aqueous liquids

- With three adapters (flexible seals) for bung diameter (inner) 49.5 to 60 mm and a 4 part intake pipe (immersion pipe length 950 mm)



Order no. 129-355-J1

Optional accessories: Transfer hose (1.5 m) with nozzle
Order no. 129-358-J1

Lid opener

- Suitable for 3/4" and 2" bung hole and synthetic lids DIN 51 and DIN 61,
Order no. 117-253-J1



Dispensing taps for plastic containers



For 5 litre canister, Order no. 123-555-J1

For 20 litre canister, Order no. 117-296-J1

Small parts cleaner in stainless steel with immersion strainer

- For the cleaning and immersion of small items
- Spring operated immersion strainer also serves as flame arrestor
- When the lid is closed, the built in strainer is pushed down
- Small parts are immersed in the cleaning fluid

Order no. 117-255-J1



Small parts cleaner in stainless steel, 2.5 to 20 litres

- For safe cleaning of small parts
- Fitted with inbuilt thermal coupling which automatically closes the container in the event of a fire
- With two handles at the side for easy transport
- Manufactured in high-quality stainless steel



① Small parts cleaner in stainless steel with immersion strainer, 2.5 litres, Order no. 117-256-J1

② Parts basket, Order no. 117-274-J1

③ Small parts cleaner in stainless steel, 10 litres, Order no. 117-271-J1

④ Small parts cleaner in stainless steel, 20 litres, Order no. 117-272-J1

Capacity [l]	2.5	10.0	20.0
Ø x H [mm]	270 x 150	270 x 270	270 x 430
Order number	117-256-J1	117-271-J1	117-272-J1
Accessories	—	Parts basket	Parts basket
Order number	—	117-273-J1	117-274-J1

FALCON small parts cleaners in steel and stainless steel

- Container is fitted with a lid that closes automatically in the event of a fire

- Container is fitted with a lid that closes automatically in the event of a fire
- Galvanised, with additional safety yellow coating
- Ideal for degreasing or cleaning small parts
- Rectangular form for optimal use of space on work surfaces and in HazMat cabinets
- With ergonomic handles for easy handling
- Includes stainless steel parts basket, simple to remove



The fusible link ensures that the lid closes automatically in the event of a fire.



FALCON small parts cleaner with stainless steel parts basket and self-closing lid in case of fire

Magnetic earthing cable, in accordance with ATEX

See page
325



DENSORB Varioform - a multiformat, highly absorbent material, which can also be used as a cloth

See page
399



FALCON small parts cleaner with stainless steel spring-mounted immersion strainer



FALCON small parts cleaner with stainless steel parts basket and self-closing lid in case of fire

Design	Removable parts basket		Spring-mounted immersion strainer	
Material	Steel	Steel	Steel	Steel
Capacity [l]	8	10	8	10
External dimensions L x W x H [mm]	400 x 320 x 160	400 x 320 x 195	400 x 320 x 160	400 x 320 x 195
Order number	243-454-J1	243-455-J1	256-868-J1	256-869-J1

Safe cleaning with FALCON spray cans



FALCON spray cans allow measured spraying and simple cleaning of contaminated surfaces.

FALCON spray cans in steel and stainless steel

- Economical and controlled spraying of surfaces and parts to be cleaned
- Ergonomic plastic spray cap includes screw-on extension with adjustable nozzle

- Integral plastic pump
- Highly resistant to many cleaning agents
- High-quality container made of stainless steel or galvanized steel, powder-coated in safety-yellow



All containers are supplied with multiple-language safety labels to mark the contents, with danger symbols according to GHS



Material	Steel		Stainless steel	
	1.0	2.0	1.0	2.0
Capacity [l]				
Ø x H [mm]	165 x 300	190 x 345	165 x 300	190 x 345
Order number	188-956-J1	188-957-J1	204-618-J1	204-619-J1

Spill trays for small containers in steel and stainless steel

See page
11



Safe cleaning with FALCON plunger cans



FALCON plunger cans allow cleaning cloths to be safely dampened without using too much fluid.

BESTSELLER



FALCON plunger cans in steel and stainless steel

- For safe moistening of cleaning cloths and sponges
- Economic discharge, residual liquid flows back into the container
- Protection due to the reduction of generated fumes
- Protection against flashback with integrated flame arrester
- Easy to operate pump mechanism with spring-mounted dasher plate in stainless steel
- High-quality container made of stainless steel or galvanized steel, powder-coated in safety-yellow

Order at the same time



Funnel

FALCON steel funnel, galvanized

Order no. 187-536-J1

FALCON stainless steel funnel

Order no. 187-534-J1

FALCON safety containers with dispensing tap

See page
460



Material	Steel		Stainless steel	
	1.0	2.5	1.0	2.0
Capacity [l]				
Ø x H [mm]	178 x 200	178 x 290	132 x 258	131 x 305
Order number	187-531-J1	187-532-J1	211-600-J1	211-601-J1

FALCON plunger cans in polyethylene (PE)

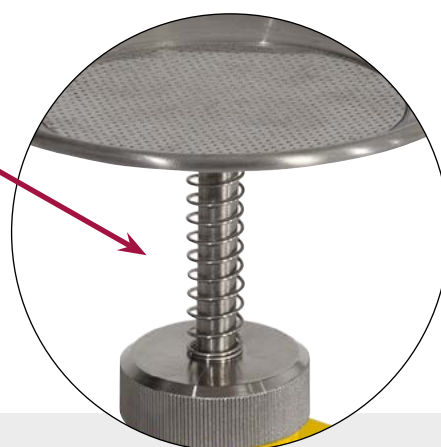
- Safe moistening of rags and sponges
- High resistance to many chemical media, e.g. acids or alkalis
- Long lasting, chemically resistant container in HDPE
- Easy to operate pump mechanism with spring-mounted dasher plate in stainless steel
- Economic discharge, residual liquid flows back into the container



All containers are supplied with multiple-language safety labels to mark the contents, with danger symbols according to GHS



NEW



Easy to operate pump mechanism with spring-mounted dasher plate in stainless steel

Long lasting, chemically resistant container in HDPE

Order at the same time

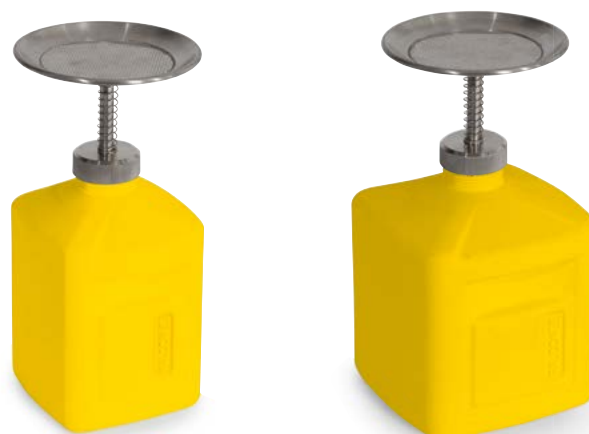
Stainless steel funnels



Order no. 187-534-J1

FALCON plunger cans in steel and stainless steel

From page
507



Capacity	1.0	2.0
Body dimensions W x D x H [mm]	120 x 115 x 265	145 x 155 x 265
Order number	263-215-J1	263-216-J1

Pressurised pump - spray Professional

- A thumb-press on the spray button gives an even atomisation.
- The spray can be quickly adjusted by turning the nut on the nozzle.
- Sturdy, technically perfected
- Pressurised container in high quality plastic with "EasyOpen" design
- Integral scale for visual check of filling level
- Manual pressurisation with pump lever or compressed air (Professional Plus)



Extension for sprayhead (300 mm) for Professional pressurised pump sprayers, Order no. 229-381-J1

NEW



Model	Professional L 1500 A	Professional L 1500 S	Professional L 1500 L	Professional Plus 1600 L
Suitable for	Alkaline cleaner	Acidic cleaner	Solvent based cleaner	
Lever / nozzle colour	Black	Yellow	Red	Black / Red
Capacity [l]	1.5			1.8
Maximum operating pressure [bar]	3			4
Compressed air connection	—	—	—	NW 7.2 and/or 1/4"
External dimensions L x W x H [mm]	300 x 150 x 430			
Pack contents	2 Item(s)			
Order number	229-377-J1	229-378-J1	229-379-J1	229-380-J1

Spray bottles Professional

- User-friendly spray button design
- Very fine spray
- Spray volume per stroke: 1.2 ± 0.1 ml
- Ergonomic body with low centre of gravity for stability



Extension for sprayhead (200 mm) for Professional spray bottles, Order no. 229-384-J1

NEW



Capacity [l]	0.5	1.0
External diameter [mm]	95	120
Pack contents	5 Item(s)	
Order number	229-382-J1	229-383-J1

Spray bottles with inversion valve

- Spray in any position
- Can be used even when access is difficult
- Adjustable nozzle
- Parts in contact with stored substances in PP, PE, silicone and stainless steel

DENSORB Varioform - a multifomat, highly absorbent material, which can also be used as a cloth

See page **399**



Capacity [l]	0.25	0.50	1.00
Ø x H [mm]	60 x 220	76 x 240	95 x 295
Order number	210-184-J1	210-185-J1	210-186-J1



Order no. 257-417-J1

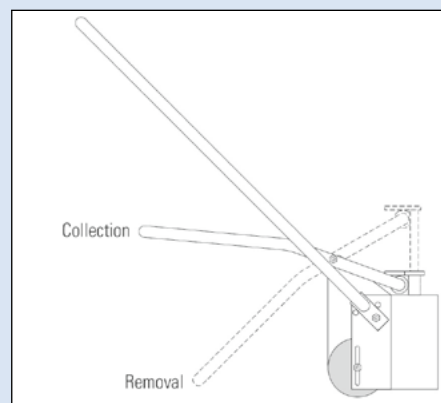


STAINLESS STEEL
rust free

As the wheels are located behind the housing, corners and edges are easy to sweep.

Magnetic sweeping machine

- With optimised magnetic field to safely pick up iron parts, even from cracks and grooves
- In sturdy housing in stainless steel - also suitable for working outdoors
- The wheels are height adjustable for uneven floors and are fitted behind the housing - this means even edges and corners can be properly cleaned (working width: 610 mm).
- When the ergonomic foot pedal is operated the collected parts fall down out of the device.
- Maintenance-free, proven product e.g. in metalworking companies, on building sites and in recycling works



Stepping on the pedal releases the collected metallic parts from the magnets.



Adjustable magnetic collector

- Magnetic head can be adjusted through 90 degrees
- For picking up metallic parts (tools, nuts, bolts, chips, profiles...) from areas which are difficult to access
- Release the metal parts from the magnet by pulling the lever on the handle

Order no. 180-697-J1

Magnetic collector with head adjustable up to 90 degrees, easy to operate release mechanism on ergonomic handle



Magnetic bar

- Ideal for difficult-to-reach areas
- For cleaning up metal shavings, nails and chippings from machines (milling cutters, lathes, boring machines) or work benches
- Attracts small metal shavings
- Light, rust resistant bar
- Remove the central bar to easily remove the metal shavings
- Total length: 410 mm



Magnetic bar, Order no. 163-474-J1



Magnetic broom

- For removing hazards
- Problem-free collection of chips and other annoying metallic parts which clog up conventional brooms
- Magnetic broom removes metal shavings from gaps and cracks where hand brushes, brooms and sweeping machines can't reach.

NEW

Order no. 268-047-J1



Magnetic broom with telescopic handle

- The shavings etc. can be removed easily by taking the head of the broom off the handle
- Telescopic handle, extendable from 690 to 1020 mm



Magnetic broom with telescopic handle

- For picking up metallic parts from areas which are difficult to access
- Magnetic head can be adjusted through 180 degrees
- Telescopic handle, extendable from 69 to 102 cm

NEW

Order no. 268-053-J1



Magnetic bar "Heavy Duty"

- Telescopic handle, extendable from 640 to 1020 mm
- Ergonomic handle, grip with finger mouldings and anti-slip protection
- Sweep height adjustable from 19 to 38 mm
- Extra large, profiled wheels for easy, safe operation

Order no. 179-680-J1



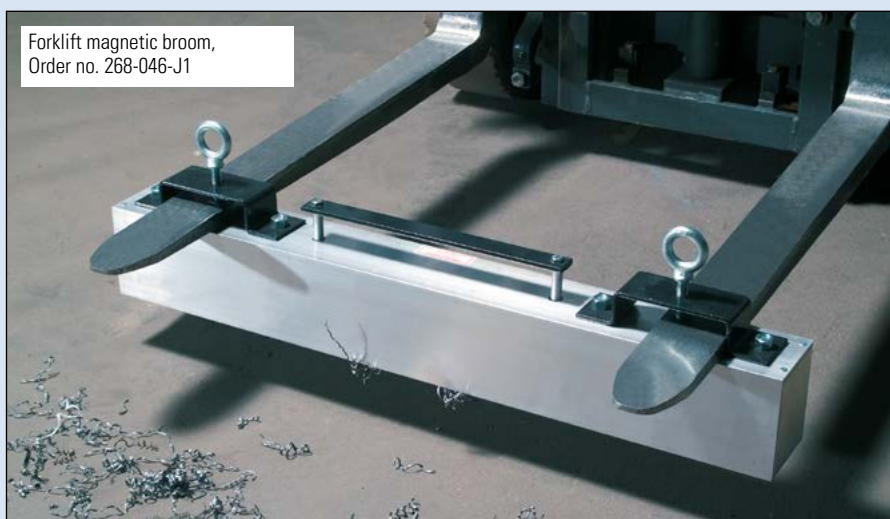
The metal shavings can be removed easily by pulling the handle on top of the bar upwards

Magnetic bar for fork lift trucks

- Strong, long lasting magnet for removing hazardous and annoying metal shavings from traffic areas, hall floors etc.

- Also suitable for uneven surfaces such as gravel, cracked concrete, cobblestones...
- Simply attach to a forklift
- The magnetic broom attracts metal shavings from a 14 cm radius.
- The metal shavings can be removed easily by pulling the handle on top upwards.
- Can collect up to 80 kg
- Sweeping width (mm): 910

Forklift magnetic broom,
Order no. 268-046-J1



- Minimises the use of absorption materials and reduces disposal costs
- Suitable for vacuuming the bottoms of DIP tanks, removing diesel or oil from vehicles or for emptying spill pallets
- Fits all steel drums with 2" fine thread
- With compressed air drive
- Waste product can be reused
- Operates without a filter
- Float prevents over filling
- Waste product can be reused

Liquid vacuum cleaner SV 6.4



Order no. 123-223-J1

Contents:

1 vacuum pump with shut-off valve and fill level limiter
1 connector with 90° elbow for 2" opening
2 m vacuum hose, Ø 38 mm



Liquid vacuum cleaner model SV 6.4, For mounting on a steel bung hole drum (available as an option)

Liquid vacuum cleaner SV 6.16



Order no. 123-224-J1

Contents:

1 vacuum pump with shut-off valve and fill level limiter
2 m vacuum hose, Ø 38 mm
1 Camlock quick connector
3-part suction pipe
1 floor nozzle with rubber edge
1 hand nozzle



Liquid vacuum cleaner SV 6.16 With floor nozzle

60 and 205 litre drums

See page
445



Accessories

Extension hose for vacuum cleaner model SV 6.4, 3 m long, Ø 38 mm
Drum belt for 200 litre standard drums
sieve for 200 ltr. liquid exhauster

Order number

177-326-J1
174-321-J1
179-650-J1

Suck up and dispose of liquids with one machine

■ Compressed-air extractor and pump for liquids with a flashpoint over 55 °C

- Disposal costs are lower
- Absorbents don't need to be used as often
- No moving parts, maintenance free
- Sucks clean and contaminated fluids up from the ground, machinery and tanks.
- Pumps fluids back or into a disposal container
- Especially suitable for coolants and separation liquids, oil spills, paints, washing water, diesel, adsorbents etc
- Ideal to combine with oil tape skimmers
- Available in 2 versions: PressOut and PumpOut

PressOut



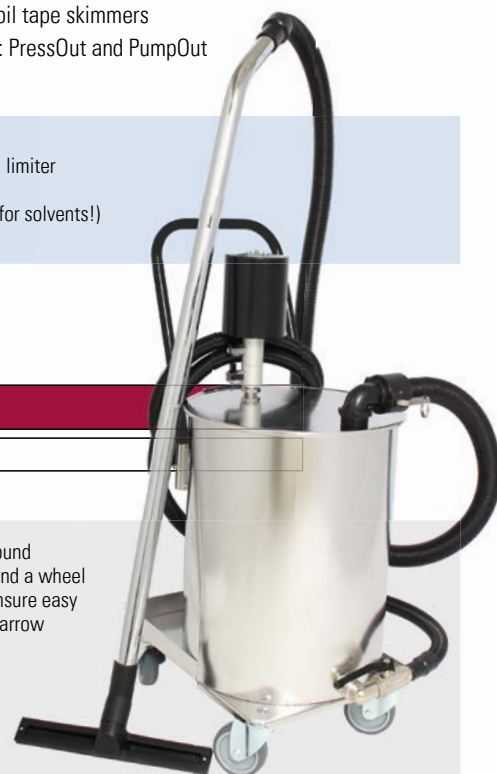
Contents:

Venturi pump with fill level limiter
Suction hose and pipe
Hand and floor nozzle (not for solvents!)
50 litre tank and trolley


NEW

Order no. 257-588-J1

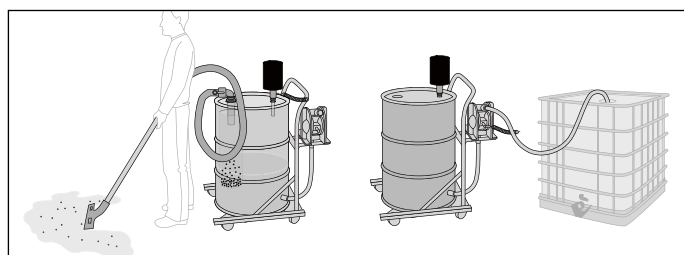
The narrow design, ground clearance of 135 mm and a wheel diameter of 100 mm ensure easy manoeuvring even in narrow spaces.



The liquid sucked into the container can be forced pneumatically over a distance of 2-3 metres into a disposal collection tank (e.g. IBC).

Design	PressOut	 PressOut ATEX
Order number	257-588-J1	257-589-J1
Accessories	Stainless steel strainer basket for filtering foreign bodies	
Order number	173-840-J1	173-840-J1

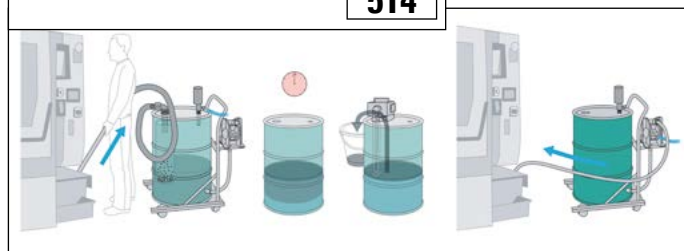
Pumpout



PumpOut sucks up liquid from the ground and pumps it into an IBC container.

Oil tape skimmer

See page
514




Combined use: PumpOut sucks up cooling water from a machine, separating particles from the liquid. An oil tape skimmer on the 2" mouth of the container skims off the oil from the surface. The purified liquid is then pumped back into the machine.

Contents:

Venturi pump with fill level limiter (for suction)
diaphragm pump (for pumping)
suction hose and pipe, floor nozzle (not for solvents!)
Strainer basket for filtering solid particles
200 litre container and transport trolley
drum belt to prevent deformation from underpressure



Design	Pumpout	 PumpOut ATEX
Order number	179-647-J1	186-281-J1

Liquid vacuum cleaner model ATEX W54 and ATEX W200

Can also be used in potentially explosive areas: gas Zone 1 / dust zone 21



- For liquids with flashpoint above +55° C e.g. Washing and cooling water, oil, paint, sludge, glycol, diesel, lubricating oil etc. (Not solvents)
- Sucks up liquids from the floor and out of machines and containers using just compressed air
- Incl. 2 M suction hose (Ø 38 mm, anti-static), 3-piece metal suction tube, floor nozzle, trolley (with anti-static castors) and tank

Design	ATEX W54	ATEX W200
Order number	173-292-J1	179-646-J1

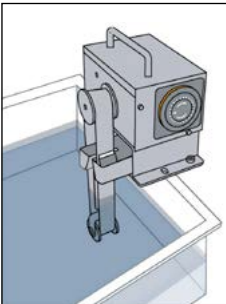
ATEX W54 wet vacuum cleaner with 54 litre stainless steel container

Liquid vacuum cleaner ATEX W200 with 205 litre painted steel container

Accessories	Order number
ATEX extension hose for fluid suction device, length 3 metres, Ø 38mm, anti-static	173-839-J1
Drum belt for 200 litre standard drums	174-321-J1
ATEX wet vacuum cleaner, to filter solid materials	173-840-J1
sieve for 200 ltr. liquid exhauster	179-650-J1

Oil tape skimmer

- Short-term amortisation
- Reduced purchasing and disposal costs
- Extended use of material and machinery
- Mode of operation: oil adheres better to itself and other objects than to water. It is absorbed by the oil skimmer tape and thus skimmed from the surface of the water
- Capacity of up to 4 litres of oil per hour
- Can be used indoors and outdoors for water-based washing liquids, coolants and separation liquids to +100 °C
- Incl. Timer and a band in stainless steel and in polyurethane (can be quickly exchanged)



Typical use: oil tape skimmer with mounting base, fitted to the rim of a container

Liquid vacuum cleaners
PumpOut

See page
513

Portable oil tape skimmer for use in various locations; the oil is skimmed off by both sides of the tape

Design	Immersion depth 115 mm	Immersion depth 270 mm	Immersion depth 420 mm	Immersion depth 575 mm
External dimensions L x W x H [mm]	170 x 110 x 255	170 x 110 x 410	170 x 110 x 560	170 x 110 x 715
Order number	179-651-J1	179-652-J1	179-653-J1	179-654-J1

Safety vacuum cleaner for hazardous dusts

- Meets the European safety standards and the requirements of professional associations and legislative bodies for working with substances which are harmful to health and / or potentially explosive dusts



- Designed to meet the requirements of health protection, safety and noise reduction laws
- Motor SOFT start, power is kept low to start with to avoid voltage drop

①



Safety vacuum cleaner model S 540-asbest with 3 M suction hose, curved hand pipe and 0.5 M extension pipes (all in chromed steel), filter bag and element, floor and crevice nozzles.

②



Safety vacuum cleaner model S 560-asbest with 3 M suction hose (Ø 36 mm), curved stainless steel hand pipe, filter bag and element, crevice nozzle and plug.

③



Safety vacuum cleaner model S 940-asbest with 4 M suction hose, curved hand pipe, filter bag and element, motor cool air filter and crevice nozzles.



④



Safety vacuum cleaner model S 960 with 3.5 M suction hose Ø 27 mm, suction hose holder, filter bag and element, tool adapter, cable reel with 7.5 M power cable.



⑤



Safety vacuum cleaner model S 990 with filter bag and element, disposal bag and motor cool air filter.



Optional accessories kits: 4m suction hose (Ø 36 mm), extension and hand pipe, floor, crevice and brush tools, Order no. 250-758-J1



Additional accessory sets for the individual safety vacuum cleaners can be found in the denios online shop at www.denios.co.uk/shop

DENIOS
onlineshop

	①	②	③	④	⑤
Model	S 540-Asbestos	S 560-Asbestos	S 940	S 960	S 990
Output [W]	1500	1200	1400	1500	2800
Use	L, M, H, ASBESTOS	L, M, H, ASBESTOS	L, M, ATEX TYPE 22	L, M, ATEX TYPE 22	L, M, H, ATEX TYPE 22
EX protection class (marking)	–	–	II 3D EX tD A22 T135 °C IP54	II 3D EX tD A22 T135 °C IP54	II 3D EX tD A22 T135 °C IP54
Capacity [l]	30	70	37	70	50
Underpressure [mbar]	250	230	230	250	230
Sound level [db(A)]	59	57	60	59	67
External dimensions L x W x H [mm]	450 x 400 x 672	605 x 600 x 600	596 x 462 x 786	1000 x 655 x 610	810 x 600 x 1140
Weight [kg]	10	25	19	33	50
Order number	210-582-J1	137-971-J1	218-631-J1	137-972-J1	218-632-J1
Accessories					
Order number Safety filter bags (pack = 5 pieces)	137-976-J1	137-977-J1	218-633-J1	137-981-J1	218-634-J1
Order number Microfilter element	137-982-J1	137-983-J1	–	137-984-J1	–

205 litre container for solid substances

- The container is fitted with a chassis for ease of transportation to special decentralised areas for disposing of solid substances
- Hot dip galvanised design
- Sturdy key on the lid
- Transport: suitable for transporting solid materials, which should be transported in "steel drums with lids that can be removed" in accordance with GGVSEB
- Active storage - container must be placed on a solid surface, so that spillages can be detected immediately and cleaned up
- Passive storage
- Dimensions W x D x H [mm]: 710 x 625 x 1055
- Volume (L): 200
- Weight [kg]: 43



Order at the same time

PE sacks to protect against heavy contamination (pack = 10 item)

Order no. 117-968-J1

Container for solid substances,
Order no. 117-967-J1

Flammex extinguishing cap for drums

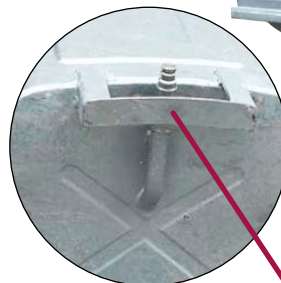
- Flammex extinguishing head in aluminium
- Make a self-extinguishing safety waste container from a 205 litre drum
- Flammex principle: in the case of a fire the flue gases accumulate under the lid rim and "suffocate" the fire as no more oxygen can get in the container



Order no. 116-804-J1

Safety collection containers

- For collecting materials which are proven to contain oil
- Galvanised design with easy to manoeuvre wheels
- Oil drainage tap and strainer in the base so that residual liquids can be drained from the container
- Dimensions W x D x H [mm]: 600 x 740 x 1060
- Volume [l]: 240
- Weight [kg]: 32



Folding leak spill pallets, reusable

See page
428



NEW

Order no. 265-886-J1

Drum waste disposal top

- Domed lid with a self closing flap
- Ideal for using existing 200 litre drums for inexpensive waste collection
- Manufactured from environmentally friendly polyethylene (PE)
- Dimensions Ø x H [mm]: 630 x 321 mm

Order no. 156-779-J1



CAP with self closing flap in
polyethylene, Ø 630 mm



A clean fire protection solution for your workplace!

Oily waste cans

- Safe collection of cleaning cloths and other waste, protection from fires starting with self-closing lid, additional safety with base ventilation - prevents overheating and self-ignition
- Leak-proof welded container avoids leaking of residual liquids
- FM certified
- Can be opened easily by operating the large pedal with its anti-skid surface
- Big, ergonomic grip at the back serves for easy emptying of the container



Oily waste container made of red painted steel, 35 litres, with self-closing lid and floor ventilation

NEW

Order no. 256-101-J1

Damped, self-closing lid mechanism for significant noise reduction and to save material and costs



The self-closing lid prevents the content from igniting, e.g. by flying sparks



The ergonomic handle makes it easy and safe to empty the container.

Each disposal container is delivered with a multilingual safety label.



Capacity [l]	20	35	50	65
External dimensions L x W x H [mm]	382 x 385 x 429	440 x 450 x 490	495 x 505 x 540	535 x 545 x 580
Order number Steel	256-101-J1	256-102-J1	256-103-J1	256-104-J1
Order number Stainless steel	256-106-J1	256-122-J1	256-123-J1	256-124-J1
Accessories	Waste sacks, blue (1 pack = 500 pieces)	Waste sacks, blue (1 pack = 250 pieces)	Waste sacks, blue (1 pack = 250 pieces)	Waste sacks, blue (1 pack = 250 pieces)
Order number	243-873-J1	243-869-J1	243-869-J1	243-872-J1



Plastic safety collecting container, 45 and 68 litres

- For the safe disposal of cleaning cloths and other waste, which is dampened with aggressive or corrosive liquids
- In red coloured polyethylene
- Self-closing safety lid
- Lid opens easily with foot operation
- FM certified



NEW




Capacity [l]	45	68
External dimensions L x W x H [mm]	381 x 413 x 600	375 x 502 x 673
Order number	274-569-J1	274-570-J1

Special containers

- **Sturdy sheet steel construction**
- Self closing flap on the bin lid
- With two handles at the sides
- Option: galvanised inner container (see accessories)
- 2 practical handles at the sides
- Galvanised inner container available as an option









Model	AB 100	AB 100-v
Capacity [l]	95	95
External dimensions L x W x H [mm]	450 x 450 x 870	450 x 450 x 870
Order number Silver	116-772-J1	116-775-J1
Order number Yellow	116-773-J1	116-776-J1
Accessories	Galvanized container for model AB 100	
Order number	116-761-J1	—

Waste bin

- **Sheet steel, hot dip galvanised in accordance with EN ISO 1461**
- Equipped with 2 side handles for easy transporting
- Optional accessories: galvanised lid



Capacity [l]	60	80	100
Ø x H [mm]	380 x 630	400 x 755	420 x 835
Order number	137-541-J1	137-543-J1	164-438-J1
Accessories	Lid, galvanised		
Order number	137-542-J1	137-544-J1	164-738-J1

Order at the same time

Pictogram set
(pack = 6 pieces),
Order no.
154-062-J1



Swing top bin for cotton waste

- The large flap at the top ensures even bulky waste can be easily accepted
- Sturdy design manufactured from steel with handles on 2 sides
- Self closing, practical flap without spring action
- With a lid that can be removed
- Self-extinguishing
- Non-combustible, self-extinguishing



The swing lid cover can be removed for emptying



Collection container in stainless steel,
Order no. 188-618-J1



Collection container in sheet steel, in grey (RAL 7035)
with swing lid in blue (RAL 5010),
Order no. 210-633-J1

GREAT PRICE

Order no. 117-834-J1



Collection container in sheet steel, in red (RAL 3000)



Material	Steel	Steel	Stainless steel
Capacity [l]	73	73	73
External dimensions L x W x H [mm]	400 x 400 x 680	400 x 400 x 680	400 x 400 x 680
Body colour	Grey	Red	—
Lid colour	Blue	Red	—
Order number	210-633-J1	117-834-J1	188-618-J1

6

PRODUCTION AND OPERATION EQUIPMENT

AVOID ACCIDENTS

Employees must literally know where they are going. Our pedestrian guide systems for marking traffic routes, work areas and hazard points can help to minimise risks. Our impact protection products can also protect expensive technology and avoid unnecessary repairs.



522 Transport- and platform trolleys



526 Transport trolleys with spill trays



530 Pallet truck



536 Polyethylene tipping skips



540 Tipping skips and stacking containers in steel



542 Plastic stackable containers



546 Stacking systems, mesh boxes and accessories



548 Open-fronted storage bins and shelf bins





552 Big bags



570 Safety mirrors



554 Grit bin



574 Security and locking equipment



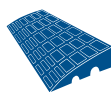
556 Work chairs and stools



576 Industrial scales



568 Cable bridges



578 Spark-free tools, for Ex zones





For more versions of the transport trolley go to www.denios.co.uk

Transport and warehouse trolleys DENIOS base-line

Cost-effective, purpose-made transport equipment for safe transport, even for heavy and bulky goods

- Handy steel tube trolley with sheet steel base, safety handles and wheel guards
- Powder coated in blue
- Available in various versions, wheels with solid rubber (Ø 250 mm) or pneumatic tyres (Ø 260 mm)

base-line
by DENIOS



Warehouse trolleys model	TK 2	HK 3	TK 3	TKB 35
Features	—	Retaining bracket	Retaining bracket and clip-on runners	Support bracket
Overall load capacity [kg]	200	300	300	350
Shovel dimensions W x D [mm]	320 x 250	320 x 250	320 x 250	480 x 300
Order number Solid rubber	157-610-J1	171-780-J1	—	—
Order number Air	157-611-J1	—	157-615-J1	171-779-J1



NEW

Stair-climbing trucks VARIOfit

VARIOfit
Die perfekte Form
des Transports

The professional truck for safe, energy-saving transport, step by step

- Sturdy welded steel design
- Ergonomic safety handles in plastic
- High-quality powder coating, RAL 5010, gentian blue
- 2 easy to manoeuvre, reliable 3-point wheels
- Smooth running tyres in thermoplastic rubber with precision groove ball bearings



Model	Stair-climbing trucks in steel	
Shovel dimensions W x D [mm]	320 x 245	480 x 295
Tyres	Tpe	
Overall load capacity [kg]	200	
Order number	272-680-J1	272-696-J1

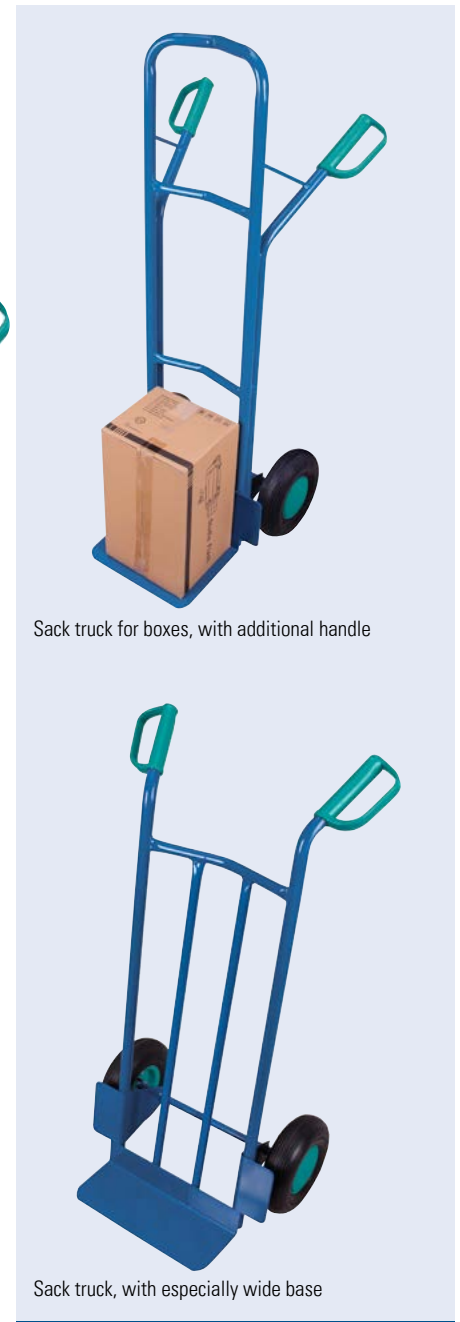
Transport trolleys DENIOS classic-line

The classic product for everyday use

- Ergonomic safety handles with crush protection
- Pneumatic tyres on steel rims with precision groove ball bearings for smooth running
- Protective panels at the sides
- Sturdy tubular steel or aluminium design
- Various designs for numerous applications



For more versions of the transport trolley go to www.denios.co.uk



classic-line
by DENIOS



Warehouse trolleys in	Steel				Aluminium
Additional equipment	—	Handle	Clip-on runners, handle	Extra wide base	Clip-on runners, handle
Shovel dimensions W x D [mm]	320 x 250	320 x 250	320 x 250	400 x 150	320 x 250
Overall load capacity [kg]	200	250	250	250	200
Tyres	Air				
Order number	258-205-J1	258-207-J1	258-204-J1	258-206-J1	258-201-J1

DENIOS classic-line transport equipment**Reliable, everyday transport equipment at a fair price and with smart accessories e.g.:**

- Sturdy design, impact and scratch resistant powder coating
- Smooth running TPE tyres with groove ball bearings, 2 swivel and 2 fixed castors with foot guard
- ErgoStop central brake - Quick and easy operation of the pedal, even when wearing safety shoes, works immediately on both swivel castors.

classic-line
by DENIOS ■ ■

Folding handle with simple foot operation
- perfect for transport or when there is a
space restriction

**Light duty platform trolley
DENIOS classic-line****Optimum price & performance**

- Compact transport trolley for universal use
- Sturdy, ergonomic handle
- Anti-slip, sealed loading surfaces - available in 2 dimensions
- With either fixed or folding handle



Compact, light duty trolley
with fixed handle

**Heavy duty platform trolley
DENIOS classic-line****With a high load capacity for industrial use**

- Ideally suited to easy transport of heavy goods
- Sturdy, ergonomic handle
- Anti-slip, sealed loading surfaces - available in 4 dimensions

classic-line
by DENIOS ■ ■

Model	Light duty platform trolley			
	Platform dimensions W x D [mm]	450 x 850	600 x 1000	450 x 720 600 x 900
Design		Fixed handle		Folding handle
Overall load capacity [kg]		200		150 250
Wheel diameter [mm]		125		160
Order number		258-199-J1	258-200-J1	258-202-J1 258-203-J1

Model	Heavy duty platform trolleys			
	Platform dimensions W x D [mm]	500 x 880	600 x 1030	700 x 1030 800 x 1230
Design		Fixed handle		
Overall load capacity [kg]		400	500	
Wheel diameter [mm]		160	200	
Order number		258-213-J1	258-214-J1	258-212-J1 258-215-J1



Additional products from the classic-line transport range can be found in our online shop!

» denios.shop/gb-DENIOS-classic-line

Light duty workshop trolley DENIOS classic-line

The professional product for internal transport

- Anti-slip, sealed loading surfaces with edge
- Available with 2 or 3 shelves, each in 2 dimensions
- Either with space-saving straight or ergonomic high transport handle



The straight handle makes transport easy, even for bulky loads



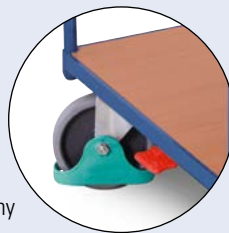
Especially comfortable to hold thanks to high handle

Heavy duty workshop trolley DENIOS classic-line

Load capacity up to 500 kg - for industrial use

- Ergonomic handle for easy transport
- Anti-slip, sealed loading surfaces
- Available in 4 loading surface dimensions

ErgoStop central brake:
Safe, quick braking in any
wheel position.



classic-line

by DENIOS ■ ■

Model	Light duty workshop trolleys			
Number of levels	2		3	
Platform dimensions W x D [mm]	490 x 835	590 x 985	490 x 835	590 x 985
Overall load capacity/shelf [kg]	250 / 80			
Wheel diameter [mm]	125			
Order number High handle	258-174-J1	258-175-J1	258-187-J1	258-186-J1
Order number Straight handle	258-209-J1	258-208-J1	258-211-J1	258-210-J1

Model	Heavy duty workshop trolleys			
Number of levels	2			
Platform dimensions W x D [mm]	500 x 850	600 x 1000	700 x 1000	800 x 1200
Overall load capacity/shelf [kg]	400 / 200	500 / 200		
Wheel diameter [mm]	160	200		
Order number	258-196-J1	258-197-J1	258-198-J1	258-195-J1

Workshop trolley DENIOS classic-line,
with steel spill trays

With watertight spill pallet for safe working

- Sturdy tubular steel design, impact and scratch resistant powder coated
- With oil-tight steel spill tray, edge height 40 mm, with either 2 or 3 shelves
- Smooth running TPE tyres with groove ball bearings, 2 swivel and 2 fixed castors with foot guard, ErgoStop central braking
- Ergonomic working height, sturdy handle for easy transport
- Optional design with grid and drain tap or with removable spill pallet



Workshop trolley with steel spill trays and practical ErgoStop central brake



- Upper spill tray with grid and 1/4" drain tap, H 100 mm
- Edge height of lower spill tray: 25 mm

- Removable sheet steel spill tray at the top, with 2 handles, H 200 mm
- Edge height of lower spill tray: 25 mm

classic-line
by DENIOS ■ ■



Model	Workshop trolley with steel spill trays				
Number of spill pallets	2				3
Platform dimensions W x D [mm]	495 x 845	695 x 995	595 x 995	595 x 995	495 x 845
Additional equipment	—	—	Grid, drain tap	Removable spill pallet	—
Overall load capacity/shelf [kg]	400 / 100	—	250 / 80	—	500 / 100
Wheel diameter [mm]	160	200	125	—	160
Order number	258-220-J1	258-221-J1	258-226-J1	258-876-J1	258-222-J1

Workshop trolley DENIOS classic-line, with plastic spill trays

DENIOS
warranty 5
years

Ideal for transporting e.g. hazardous substances in small containers

- Workshop trolley in steel with 2 removable spill trays in chemical-resistant polyethylene
- 2 handles and 2 swivel castors and fixed castors in polypropylene (Ø 100 mm), for easy, safe manoeuvring

classic-line

by DENIOS ■ ■

Model	Workshop trolley with plastic spill trays
Containment volume [L]	2 x 30
External dimensions W x D x H [mm]*	1041 x 660 x 920
Overall load capacity [kg]	170
Grid	without
Order number	115-214-J1

*Overall height including handle



Transport trolley DENIOS classic-line, with plastic spill pallet

Compact size: easy, safe manoeuvring even in confined spaces and passages

- Sturdy steel trolley with removable spill pallet in chemical-resistant polyethylene
- Ideal for transporting e.g. hazardous substances in small containers
- With handle and 2 fixed and 2 swivel castors, easy to manoeuvre, in polypropylene (Ø 100 mm)
- Either without or with grid in galvanised steel or plastic

classic-line

by DENIOS ■ ■

Model	Transport trolley with plastic spill tray		
Containment volume [L]	1 x 30		
External dimensions W x D x H [mm]*	1110 x 602 x 1074		
Overall load capacity [kg]	150		
Grid	without	galvanized	plastic
Order number	114-837-J1	114-839-J1	114-841-J1

*Overall height including handle



Transport trolley, with galvanised grid as storage surface (alternatively also available with PE grid)



The innovative Swedish manufacturer KONGAMEK has developed a range of practical, well-designed transport equipment. Here you'll find a selection of products for seamless in-house transport.



Many other KONGAMEK products can be found in our online shop!

» denios.shop/gb-km



Workshop trolley KM Ergo in steel, with 2 MDF shelves

Attractive workshop trolley with a total load capacity of 1200 kg

- High quality powder coating, W x D: 680 x 1200 mm
- Easy to manoeuvre thanks to ergonomic handle
- Smooth-running, 2 fixed and 2 swivel castors (with brakes) in PA / rubber, precision bearings

Order no. 267-576-J1



Gas cylinder trolley KM Ergo

Ergonomic gas cylinder trolley for effortless changing of gas cylinders

- Simple to use, no heavy lifting - see video
- Electrogalvanised
- For 1 gas cylinder x 50 litres (max. Ø 235 mm)



All product details and benefits can be seen in our video!

» denios.shop/gb-255319

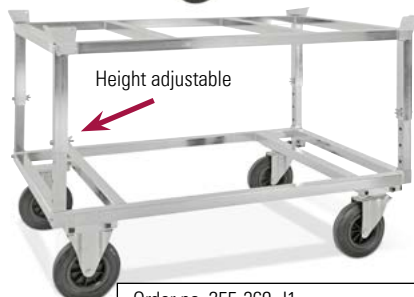


Order no. 255-319-J1

Pallet trolley KM for Euro pallets

Welded chassis for Euro pallets 1200x800, with pallet retainer.

- Version with height adjustable platform: 655 - 835 mm, load capacity 800 kg
- Electrogalvanised for excellent corrosion protection
- 2 fixed and 2 swivel castors (with brakes) in solid rubber



Height adjustable

Order no. 255-369-J1

Narrow workshop and platform trolleys KM

Highly versatile with 4 swivel castors, 2 with brakes.

- Electrogalvanised, load capacity 150 kg
- 2 melamine coated shelves, plastic coated handle for secure grip



Narrow transport trolley KM, shelves in white, Order no. 255-334-J1

Narrow transport trolley KM, shelves in red, Order no. 255-335-J1

KM Scooter, with footbrake

Easy to use scooter for safe, fast transport between workstations.

- Rubberised handle for ergonomic grip, foot plate with anti-slip surface for safe standing
- 3 wheels with puncture-proof tyres



Order no. 255-373-J1

Stainless steel trolley KM, with folding handle

Multipurpose, versatile platform trolley in stainless steel

- Platform W x D: 520 x 825 mm, load capacity 100 kg
- Folding handle for space-saving storage



Order no. 255-348-J1

General purpose trolley KM Ergo, with optimum height adjustment

Upper shelf has automatic height adjustment to the ideal working height when loading or unloading, adjustable in 5 steps for loads up to 90 kg

- Galvanised and coated with clear varnish for outstanding corrosion protection
- 4 smooth running swivel castors in grey TPR, precision bearings, 2 swivel castors with brakes



TOP PRODUCT

Order no. 267-577-J1

Stable long materials trolleys KM

Ideal for long goods such as pipes, easy to move even when heavily loaded.

- Length adjustable to 2500, 3500 and 4000 mm
- With 4 corner posts, handle and coupling eye, load capacity 3500 kg
- Pneumatic tyres, Ø 540 mm



Order no. 267-581-J1

ESD tiered trolley KM, with 2 height adjustable shelves

Multipurpose, tested trolley for use in ESD areas, e.g. for protection when transporting or storing electrical components

- Electrically galvanised, with conductive mats and shelves, W x D: 470 x 945 mm, load capacity 250 kg
- W x D x H: 470 x 945 x 1120 mm, load capacity: 250 kg
- 4 swivel castors in electrically conductive solid rubber



Order no. 267-582-J1

Cleaning trolley KM Heavy Duty

Sturdy cleaning trolley for everyday use indoors and outdoors in workshops, warehouses, production, car parks etc.

- Large pneumatic tyres on steel rims for a smooth ride
- Practical holders for the safe attachment of brooms, shovels, waste sacks, gloves etc.
- Easy to manoeuvre thanks to ergonomic handle



Order no. 267-578-J1

Stable heavy duty trolleys KM

Equipped with handle with coupling eye and parking brake

- Powder coated tubular frame, plywood floor, W x D: 1000 x 2000 mm
- Load capacity: 750 kg dynamic, 1500 kg static
- Pneumatic tyres, Ø 400 mm



Order no. 267-580-J1

Pallet truck Ergo, with 2000 and 2500 kg load capacity

- Sturdy frame with stable forks
- Low-maintenance hydraulic unit
- Swivel wheels with rubber tyres and PU tandem wheels ensure smooth running with minimal rolling resistance
- Steering angle 2 x 90°
- Can be manoeuvred under a gap of 85 mm
- The forks are painted in high quality yellow

Overall load capacity [kg]	2000	2500
Fork length [mm]	1150	
Overall length [mm]	1535	
Lift height max [mm]	195	
Supporting width [mm]	540	
Fork width [mm]	160	
Ø swivel castors [mm]	200	
Ø tandem castors [mm]	82	
Weight [kg]	86	
Order number	185-689-J1	178-069-J1



Ergonomic tow bar handle enabling all operations to be performed centrally

Low-maintenance hydraulic unit

High quality wheels with rubber tyres

Drum pallet truck type FHW for lifting drums

- Combine the comfort of a pallet truck with the functionality of a drum transport and lifting trolley
- For straightforward lifting, placing and transporting of a 200 litre steel drum on level ground
- **Load capacity: 350 kg**
- Simple single lever control for all functions
- The clamp opens when lowered and picks up the drum
- Clamp closes around the drum automatically when lifting
- Wheels manufactured from nylon
- Powder-coated in blue (RAL 5010)

Drum pallet truck, load capacity 350 kg,
Order no. 158-052-J1



- The pallet trucks are extremely flexible as they can be used on all surfaces
- Compliant with European quality standards
- Ergonomic single handle operation
- Quiet operation
- Excellent manoeuvrability due to the rounded forks
- The tandem wheels ensure easy manoeuvrability

GI 4 stainless steel ①

- The pump is manufactured from bronze and all other parts are manufactured from stainless steel to ensure protection from corrosion
- Ideal for use in the food industry and all other areas where the highest levels of cleanliness must be maintained
- Automatic lifting stop when overloaded
- Wheels manufactured from nylon

Model	GI 4
Overall load capacity [kg]	2500
Number of load rollers	4
Fork length [mm]	1150
Supporting width [mm]	525
Overall length [mm]	1550
Lift height max [mm]	200
Order number	128-389-J1

Corrosion protected pallet truck model GI 4 stainless steel



①

PRO PR ②

- For heavy duty, industrial usage
- The high load capacity of 2500 kg ensures use in most applications
- The wheels are manufactured from hard wearing nylon
- The forks have wheels that allow the pallet truck to move forwards & to reverse

Model	PR 2	PR 4
Overall load capacity [kg]	2500	
Number of load rollers	2	4
Fork length [mm]	1150	
Supporting width [mm]	525	
Overall length [mm]	1550	
Lift height max [mm]	200	
Order number	128-385-J1	128-386-J1

Pallet truck model PRO PR

②

Pallet truck model Basic PR

③

Basic BR ③

- Economical, versatile model
- The wheels are manufactured from nylon
- The rear wheels are manufactured from polyurethane

Model	BR 2	BR 4
Overall load capacity [kg]	2200	
Number of load rollers	2	4
Fork length [mm]	1150	
Supporting width [mm]	525	
Overall length [mm]	1550	
Lift height max [mm]	200	
Order number	128-383-J1	128-384-J1

Models HW

Ideal combination for lifting and weighing in one unit

- Extremely sturdy - ideal for heavy duty and industrial use
- Safety handle, which can be operated with one hand
- Direct calculation of weight while loading and unloading
- Scales and display built in to protective steel housing
- Weight range 1 to 2200 kg in 1 kg steps
- Functions: tare, zero, addition function for weighing, counting reference parts etc
- Automatic switch-off, deep discharge protection
- 6V battery, operational for up to 56 hours approx
- Paint similar to RAL 5002 blue
- Incl. External charger
- Functions in temperature ranges between -10° and +40° C



Pallet trucks suitable for EX zones can be found on the internet at www.denios.co.uk

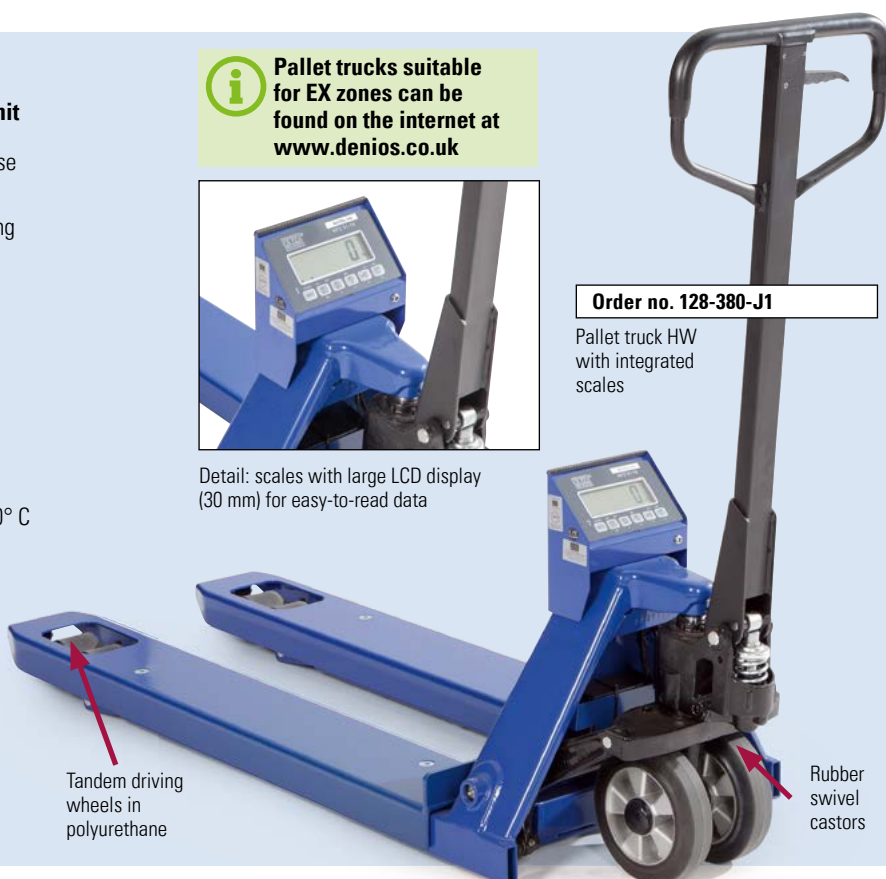


Detail: scales with large LCD display (30 mm) for easy-to-read data

Order no. 128-380-J1

Pallet truck HW with integrated scales

Model	Hw
Overall load capacity [kg]	2200
Lift height max [mm]	210
Lift height min [mm]	90
Fork length [mm]	1150
Supporting width [mm]	560
Fork width [mm]	170
Order number	128-380-J1



Tandem driving wheels in polyurethane

Rubber swivel castors

Mobile material stands

Versatile equipment for loading or for direct use in the workplace. Ideal for use with standard plastic boxes up to 800 x 600 mm. Optimal and ergonomic working position, the height can be adjusted and the stand can be tilted at 5 different levels from 0° to 40°.

- Easy transport and placement of boxes and baskets
- 4 swivel castors, Ø 75 mm with brakes
- Powder-coated in blue (RAL 5010)
- Steel sheet platform with raised edge (30 mm)

Model FM - manual height adjustment

- Lowering damper, the lowering speed can be adjusted using a valve



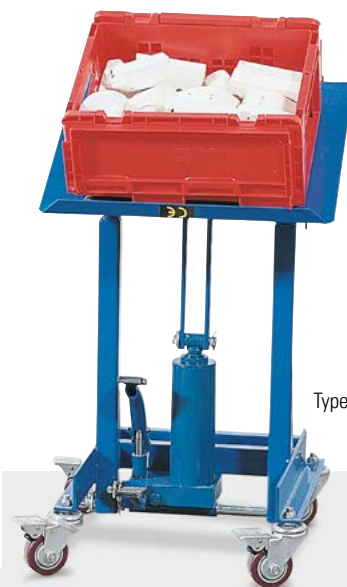
Model FM 1



Model FM 2

Model FH - hydraulic height adjustment

- Simple, easy stepless height adjustment (even under load) with foot pedal



Type FH

Model	FM 1	FM 2	Fh
Height adjustable	Manual	Manual	Foot pump
Lift height max [mm]	700	1070	1070
Lift height min [mm]	510	720	720
Overall load capacity [kg]	150		
Platform dimensions W x D [mm]	410 x 540		405 x 503
Order number	164-475-J1	144-946-J1	154-085-J1

Manual stacker HD 10

Simple, easy lifting of pallets and containers

- The wheels have brakes in compliance with EN 1757-3
- Safety handle can be operated with one hand and has A 3 way function (lifting / lowering / transporting)
- Optimum user safety with safety grid, foot guard and brake on both swivel castors
- Especially sturdy design
- Ideal for transporting and placing pallets and containers on shelving

Order no. 164-487-J1

Manual stacker, model HD 10



Model	HD 10
Overall load capacity [kg]	1000
Lift height max [mm]	1500
Ground clearance [mm]	88
Fork length [mm]	1150
Supporting width [mm]	540
Fork width [mm]	160
Ø swivel castors [mm]	150
Ø fork castors [mm]	80
External dimensions W x D x H [mm]	760 x 1604 x 2010
Order number	164-487-J1



Example of use: model HD 10

Industry cranes

- **With dual action hand pump for quick lifting**
- As an aid to assembly or for goods picking etc
- Safe, quick lifting for even the heaviest of objects, eg engines, thanks to special long life hydraulic pump
- Accurate lowering is made possible by a fine control relief valve
- Telescopic arm with 4 settings and safety crane hooks (rotate through 360°)
- All wheels have ball bearings and foot guards
- Supplied ready for use
- Painted blue (RAL 5015)
- **Parallel wheelbase for moving around pallets and mesh boxes**
- **Splayed wheelbase for access underneath machinery etc**



Industrial crane model IK 1500 Z

Order no. 138-037-J1



Industrial crane K 500-w, splayed wheelbase

Order no. 188-486-J1

Large wheels for easy manoeuvring

Model IK with steering handle for easy manoeuvring Parallel design

Wheelbase	Splayed		Parallel			
Overall load capacity [kg]	500	1000	500	1000	1500	2000
Jib length i (mm) / max. Load capacity (kg)	950 / 500	1050 / 1000	1080 / 500	1085 / 1000	1130 / 1500	1310 / 2000
Jib length ii (mm) / max. Load capacity (kg)	1070 / 420	1150 / 830	1180 / 420	1210 / 830	1330 / 1250	1520 / 1650
Jib length iii (mm) / max. Load capacity (kg)	1190 / 360	1250 / 670	1280 / 360	1335 / 670	1530 / 1000	1720 / 1400
Jib length iv (mm) / max. Load capacity (kg)	1310 / 300	1400 / 500	1380 / 300	1460 / 500	1730 / 750	1920 / 1200
Max height [mm]	2100	2400	2500	2400	3000	3150
Drive-through height [mm]	1555	1776	1650	2310	2310	2310
Chassis length [mm]	1420	1700	1300	1742	2200	2200
Ground clearance [mm]	130	170	135	170	215	215
Drive-through width [mm]	1095	950	975	1140	1200	1200
Clear chassis width [mm]	940	790	830	1000	1000	1000
Order number	188-486-J1	188-487-J1	188-484-J1	188-485-J1	138-037-J1	138-038-J1



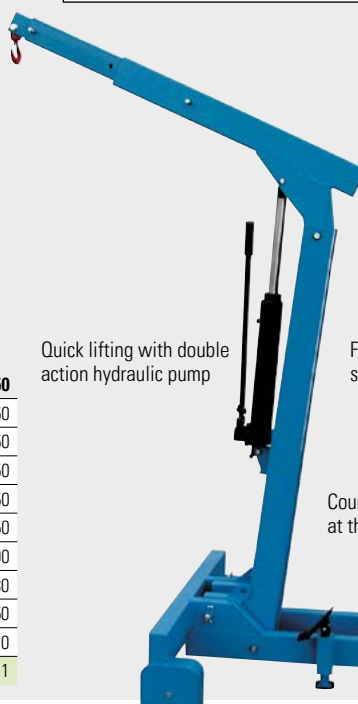
Lightweight cranes model W save space when folded down

Counterbalance cranes

- **Ideal for working in difficult-to-reach areas**
- Ideal for loads which are difficult to pick up from below or by the sides, for example for loading and unloading trucks, lifting and lowering shelving and machinery etc
- Problem-free handling even for bulky parts
- Load and tandem swivel castors, with ball bearings, with polyurethane tyres Ø 160 mm
- Telescopic arm with 5 settings and safety crane hooks (rotate through 360°)
- Delivered ready to use, including filling weight

Counterweight crane model GGK 250

Order no. 138-046-J1

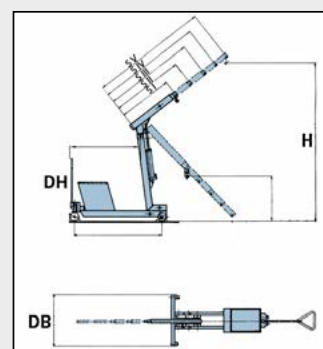


Quick lifting with double action hydraulic pump

Folding column saves space

Counterweight at the rear

Overall load capacity [kg]	250	350	550
Jib length i (mm) / max. Load capacity (kg)	925 / 250	925 / 350	925 / 550
Jib length ii (mm) / max. Load capacity (kg)	1210 / 200	1210 / 280	1210 / 450
Jib length iii (mm) / max. Load capacity (kg)	1500 / 150	1500 / 210	1500 / 350
Jib length iv (mm) / max. Load capacity (kg)	1800 / 100	1800 / 150	1800 / 250
Jib length v (mm) / max. Load capacity (kg)	2080 / 50	2080 / 100	2080 / 150
Max height [mm]	2700	2700	2700
Drive-through height [mm]	1730	1730	1730
Chassis length [mm]	1750	1750	1750
Drive-through width [mm]	910	910	910
Order number	138-046-J1	138-047-J1	138-048-J1



High lift pallet truck

- The frame and forks are distortion resistant
- Features a safety handle with A 3 way function: lifting/ lowering/ transporting, which can be operated using one hand
- Stabilising bars lock into place as the truck lifts to the right position for loading /unloading

- Lifting height range: from 85-800 mm
- Load capacity: 1000 kg
- Fork L x W: 1165 x 160 mm
- Supporting width: 540 mm
- Swivel wheels Ø x B: 200 x 50 mm, polyurethane
- Fork castors Ø: 80 mm, polyurethane

- Battery operated unit with charger
- Electrohydraulic pump set 12 V
- Lifting motor 12 V
- Charger 12 V / 10 A with automatic switch off

■ Design with electro hydraulics

Order no. 128-382-J1



High lift pallet truck SHW E



Scissor pallet truck model shw-m

■ Version with hydraulic hand pump

Order no. 157-619-J1

- Quick to reach the workstation - with an optimal working height

Scissor lifting table

- Profiled steel/ steel sheet design
- Powder-coated in blue (RAL 5007)
- Sturdy pushbar - with a protective plate to prevent slipping through

- Hydraulic pump with chrome plated pistons
- Operated via a foot pedal
- Valve to lower platform operated by handle
- 2 swivel and 2 fixed castors, wheels with polyurethane tyres, swivel castors with brake in accordance with EN 1570



① ■ Load capacity: 150 kg

Order no. 157-623-J1

Single scissor lift table

② ■ Load capacity: 250 kg

③ ■ Load capacity: 500 kg

Single scissor lift table



With collapsible handle

①



④ ■ Load capacity: 300 kg

⑤ ■ Load capacity: 500 kg

Double scissor lift table

Mobile lifting table

■ Load capacity: 900 kg

- Profile steel / steel sheet design with rounded platform
- 4 telescope pillars ensure a stable footing
- Raising and lowering via 2

separate foot pedals

- Handle
- Powder-coated in blue (RAL 5010)
- Each with 2 swivel and fixed polyurethane wheels
- Available in 2 sizes

Locking devices with lowerable support ensure secure standing. (Can be released again with light foot pressure)



⑥ ⑦

①

②

③

④

⑤

⑥

⑦

	Single scissor lift table			Double scissor lift table		Mobile lifting table	
Platform dimensions W x D [mm]	450 x 700	500 x 830	520 x 1010	520 x 1010	520 x 1010	610 x 915	815 x 1220
Overall load capacity [kg]	150	250	500	300	500	900	900
Lift height max [mm]	755	910	1000	1585	1575	1220	1220
Lift height min [mm]	265	330	435	435	440	760	760
External dimensions W x D [mm]	450 x 950	500 x 1010	520 x 1185	520 x 1260	520 x 1260	610 x 915	815 x 1220
Ø wheel [mm]	100	125	150	150	150	100	100
Order number	157-623-J1	157-624-J1	157-625-J1	157-628-J1	157-629-J1	180-035-J1	180-036-J1

Tipping skips and tipping containers PolySkip

- Large capacity containers for provision of small parts or separate collection of waste and recyclable materials
- Corrosion-free, weather-resistant polyethylene (PE)
- Easy to clean



Tipping skips and containers, model PolySkip from 300 to 1000 litres

Extremely sturdy, seamless tipping skips and tipping containers made from environmentally friendly, weather-resistant plastic (PE). These containers are also leakproof and are therefore suitable for collecting materials that may leak fluid once inside them.

Tilting skips PolySkip model W

- Watertight
- For manual transport of waste and recyclable materials, for example to a central collection point
- Easy to move due to large castors (Ø 200 mm) and swivel castors (Ø 125 mm) of polyamide, lockable
- The skip can be emptied by manually tipping the container over the axle of the wheels into a ditch or a low basin etc
- Optionally available with 2-part folding lid in PE (grey)

Order at the same time

Pictogram set

- For recyclable material containers and refuse bin boxes
- Pictogram set with symbols: paper, plastics, residual waste, glass, sheet metal/metal and bio-waste
- Waterproof and self adhesive
- Format (H x W): 180 x 160 mm



2 part PE lid, grey, see table



Order no. 154-062-J1

Available in 3 colours



Tipping skip PolySkip model W, with castors

Capacity [l]	300	500	750	1000
Features	2 swivel castors, 2 fixed castors	2 swivel castors, 2 fixed castors	2 swivel castors, 2 fixed castors	2 swivel castors, 2 fixed castors
External dimensions W x D x H [mm]	920 x 1320 x 625	960 x 1440 x 825	1145 x 1560 x 925	1173 x 1586 x 1095
Bulk goods edge height [mm]	405	460	560	670
Overall load capacity [kg]	150	150	250	250
Weight [kg]	30	38	44	49
Order number Blue	148-372-J1	136-459-J1	136-460-J1	181-684-J1
Order number Grey	153-536-J1	153-540-J1	153-566-J1	181-687-J1
Order number Red	153-535-J1	153-539-J1	153-563-J1	181-686-J1
Accessories	2 part PE lid, grey			
Order number	185-837-J1	185-838-J1	185-839-J1	185-840-J1

Tipping container PolySkip model T / TR

- Watertight
- With forklift pockets
- Release via cable pull from the driver's seat
- With integrated spring scissor mechanism for limiting the tilting process and to protect the container against damage
- Optionally available with 2-part folding lid in PE (grey)



Tipping container PolySkip model T, with forklift pockets



Polyamide castors

Tipping container PolySkip model TR, with forklift pockets and castors

Available in 3 colours



Size of fork-lift truck pockets in mm

60	150	226 (for models with 300/500 ltr capacity)	326 (for models with 750/1000 ltr capacity)	150	60
----	-----	--	---	-----	----

Capacity	300	500	750	1000
Features	With forklift pockets and castors	With forklift pockets and castors	With forklift pockets and castors	With forklift pockets and castors
External dimensions W x D x H [mm]	920 x 1420 x 660	960 x 1530 x 830	1145 x 1650 x 925	1173 x 1660 x 1095
Bulk goods edge height [mm]	405	460	560	670
Overall load capacity [kg]	150	150	250	250
Weight [kg]	45	53	62	67
Order number Blue	148-379-J1	144-622-J1	144-623-J1	181-692-J1
Order number Grey	153-594-J1	153-599-J1	153-603-J1	181-695-J1
Order number Red	153-593-J1	153-597-J1	153-602-J1	181-694-J1
Accessories	2 part PE lid, grey			
Order number	185-837-J1	185-838-J1	185-839-J1	185-840-J1

Capacity [l]	300	500	750	1000
Features	With forklift pockets	With forklift pockets	With forklift pockets	With forklift pockets
External dimensions W x D x H [mm]	920 x 1420 x 625	960 x 1530 x 790	1145 x 1650 x 890	1173 x 1660 x 1060
Bulk goods edge height [mm]	370	420	520	635
Overall load capacity [kg]	150	150	250	250
Weight [kg]	43	50	59	64
Order number Blue	148-377-J1	136-449-J1	136-450-J1	181-688-J1
Order number Grey	153-572-J1	153-578-J1	153-591-J1	181-691-J1
Order number Red	153-571-J1	153-576-J1	153-590-J1	181-690-J1
Accessories	2 part PE lid, grey			
Order number	185-837-J1	185-838-J1	185-839-J1	185-840-J1



Heavy load tipping container PolySkip plus, 500 litre volume, blue,
Order no. 201-359-J1

Heavy duty tipping container PolySkip plus

- For collecting and transporting heavy goods and waste
- High level of resistance against many aggressive substances
- Stable design and impact resistant
- In environmentally friendly polyethylene (PE)
- Watertight and corrosion free
- Easy to clean
- Forklift pockets and 2 swivel and 2 fixed castors for manual manoeuvring
- Retainer hooks for safety chain and unlocking cable
- Low net weight
- Release via cable pull from the driver's seat
- Special spring dampers ensure the skip tips smoothly, protecting the container from being damaged



Heavy load tipping skip PolySkip PLUS, 500 litre volume, grey,
Order no. 201-360-J1



Heavy load tipping skips PolySkip plus, with castors
and forklift pockets made from steel

Available in 2 colours, additional
colours on request



Capacity [l]	500	750	1000
Features	With forklift pockets and castors	With forklift pockets and castors	With forklift pockets and castors
External dimensions W x D x H [mm]	1080 x 1530 x 760	1120 x 1650 x 955	1145 x 1730 x 1105
Bulk goods edge height [mm]	685	880	1030
Overall load capacity [kg]	500	750	1000
Weight [kg]	113	125	139
Order number Blue	201-359-J1	201-361-J1	201-363-J1
Order number Grey	201-360-J1	201-362-J1	201-364-J1



Special gas damper ensures safe tilting and emptying.

PolyMaxx tipping container

- For transport, storage and provision of recyclable material and consumables
- In environmentally friendly polyethylene (PE)
- Watertight and corrosion free
- Stable with a low dead weight
- High resistance to acids and alkalis
- Easy to clean
- The standard, galvanized steel frame allows turning and tipping in the fork lift cross bar available as an accessory
- Version with feet: easily accessible from below for transporting by forklift
- Version with castors: for manual transport, with 2 swivel castors and 2 lockable fixed castors in polyamide (Ø 125 mm)



PE tipping skips model PolyMaxx in different sizes and colours



Example application with forklift truck attachment for PE tipping skip, PolyMaxx

Available in 3 colours



Multi-purpose tipping skip made of polyethylene (PE)

These multipurpose containers manufactured from environmentally-friendly PE, help keep order within operational, production and warehouse areas. Ideal for storing solid materials, e.g. Bulk goods, small parts and consumables, etc.. Also suitable for fluids for example collecting leaking residues from liquids stored in containers.



Version with 2 swivel castors and 2 lockable castors in polyamide (Ø 125 mm) for fast manual transport



Version with feet, easily transported within the company by fork-lift truck

Design Capacity [l]	Multipurpose containers				Tipping skips			
	600		800		600		800	
Features	4 feet	2 swivel castors, 2 fixed castors	4 feet	2 swivel castors, 2 fixed castors	4 feet	2 swivel castors, 2 fixed castors	4 feet	2 swivel castors, 2 fixed castors
External dimensions W x D x H [mm]	825 x 1240 x 845	825 x 1240 x 900	1030 x 1340 x 845	1030 x 1340 x 900	960 x 1260 x 845	960 x 1260 x 900	1160 x 1360 x 845	1160 x 1360 x 900
Bulk goods edge height [mm]	—	—	—	—	845	900	845	900
Overall load capacity [kg]	250	250	250	250	400	300	500	400
Weight [kg]	27	29	36	38	46	47	57	58
Order number Grey	186-997-J1	187-007-J1	187-002-J1	187-012-J1	173-150-J1	173-167-J1	173-171-J1	173-177-J1
Order number Red	186-998-J1	187-008-J1	187-003-J1	187-013-J1	173-152-J1	173-168-J1	173-172-J1	173-175-J1
Order number Blue	187-001-J1	187-011-J1	187-005-J1	187-015-J1	173-148-J1	173-160-J1	173-169-J1	173-173-J1
Accessories	—	—	—	—	Fork lift cross bar			
External dimensions W x D x H [mm]	—	—	—	—	950 x 790 x 945	950 x 790 x 945	1150 x 1200 x 945	1150 x 1200 x 945
Order number	—	—	—	—	129-233-J1	129-233-J1	129-235-J1	129-235-J1

Tipping skip

- **For collecting and transporting bulk goods of any type**
- Tipping skips in long lasting welded steel design with manual tipping container
- Metal thickness of the container 2 mm
- With forklift pockets (160 x 90 mm)
- With swivel and fixed castors in solid rubber (Ø 200 mm)
- Sturdy handle to enable manual operation

Capacity [l]	250	400	600
External dimensions W x D x H [mm]	895 x 1180 x 915	930 x 1440 x 1000	1040 x 1560 x 1125
Bulk goods edge height [mm]	825	910	1030
Forklift pocket W x H [mm]	160 x 90	160 x 90	160 x 90
Distance between fork pockets [mm]	360	400	510
Overall load capacity [kg]	600	600	600
Weight [kg]	60	85	110
Order number powder coated	145-021-J1	145-022-J1	145-023-J1
Order number Hot dip galvanised	145-024-J1	145-025-J1	145-026-J1
Accessories	2-part lid, galvanised		
Order number	195-522-J1	145-055-J1	145-055-J1

Order at the same time

- **Strainer insert and drain tap** The strainer insert prevents coarse dirt from blocking the drain tap
Order no. 145-061-J1



More colour options can be found in our online shop.
www.denios.co.uk

Tipping skips with 250, 400 or 600 litre volume, load capacity 600 kg (all versions)

Tipping skip

- **For collecting and transporting bulk goods of any type**
- Compact design, low height
- Study frame manufactured from u-channels, the tipping trough is manufactured from 3mm steel sheet with reinforcement at the edges
- With forklift pockets (200 x 70 mm) (min. Fork length 800 mm)
- With swivel and fixed castors in polyamide (Ø 175 mm)
- Sturdy handle to enable manual operation
- Release via cable pull from the forklift seat
- Easy tipping over the side
- Integrated control mechanism for limiting the tilting process and to protect the container against damage
- Additional chain protection to prevent slipping from the the forklift blades



Capacity [l]	300	500	750	1000
External dimensions W x D x H [mm]	830 x 1350 x 810	1280 x 1350 x 810	1200 x 1640 x 1060	1580 x 1640 x 1060
Bulk goods edge height [mm]	700	700	925	925
Forklift pocket W x H [mm]	200 x 70	200 x 70	200 x 70	200 x 70
Distance between fork pockets [mm]	280	60	60	500
Overall load capacity [kg]	750	1000	1350	1350
Weight [kg]	115	140	175	205
Order number powder coated	145-027-J1	145-028-J1	145-029-J1	145-030-J1
Order number Hot dip galvanised	145-031-J1	145-032-J1	145-033-J1	145-034-J1
Accessories	2-part lid, galvanised			
Order number	195-522-J1	145-055-J1	145-055-J1	145-057-J1

Order at the same time

- **Strainer insert and drain tap** The strainer insert prevents coarse dirt from blocking the drain tap
Order no. 145-061-J1



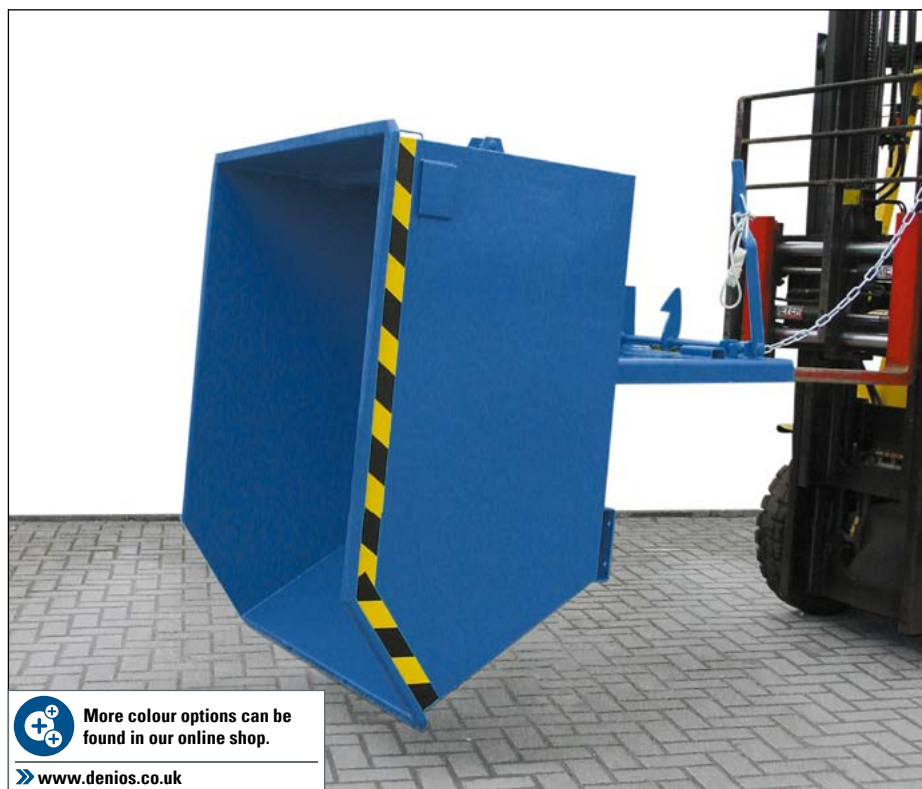
Detailed illustration:
unlocking device and forklift pockets

Tipping skip NB

- **Low height**
- **For collecting and transporting bulk goods of any type**
- Ideal as an occasional use container for a machine
- The body of the skip is manufactured from 3 mm steel sheet with circumferential reinforcement at the edges
- With forklift pockets
- Release via cable pull from the forklift seat
- Shock absorber device between the floor of the skip and the supporting frame enables easy emptying
- Additional chain protection to prevent slipping from the the forklift blades
- Also available as oil- and water-tight welded design with perforated floor and dispensing tap (see accessories)

Size of fork-lift truck pockets in mm

60		500 (for models with 50 ltr capacity)		60
	200	200 (for models with 300 / 500 ltr capacity)	200	



More colour options can be found in our online shop.

» www.denios.co.uk

Order at the same time

- **Wheel set consisting of 2 fixed and 2 swivel castors (one with brake)** manufactured from polyamide



- For loads up to 1350 kg
Order no. 145-063-J1
- For loads up to 2500 kg
Order no. 145-064-J1



The 2-part lid (see table)
protects the contents

Capacity [l]	300	500	750	1000	1250	1500
External dimensions W x D x H [mm]	680 x 1400 x 580	780 x 1400 x 680	1240 x 1520 x 800	1240 x 1620 x 800	1130 x 1570 x 980	1330 x 1570 x 980
Bulk goods edge height [mm]	500	600	700	600	730	730
Overall load capacity [kg]	750	1000	1500	1800	2000	2000
Weight [kg]	100	115	162	184	195	205
Order number powder coated	145-041-J1	145-042-J1	145-043-J1	145-044-J1	145-430-J1	145-045-J1
Order number Hot dip galvanised	145-046-J1	145-047-J1	145-048-J1	145-049-J1	145-431-J1	145-050-J1
Accessories	2-part lid, galvanised					
Order number	195-522-J1	145-055-J1	145-055-J1	145-057-J1	145-057-J1	145-057-J1

PE stackable containers PolyPro

- Space-saving collection and provision of your warehouse goods and recyclable materials
- In environmentally friendly polyethylene (PE)
- Corrosion free and durable
- Closed, watertight design to use as a spill pallet for water-polluting substances
- High chemical resistance to many acids and alkali
- Stable with a low dead weight
- Easy to clean
- Easy to access by pallet truck or fork lift from front or sides
- Can be stacked 5 high, can also be stacked with steel stacking containers of the same dimensions
- Safe, space saving storage of containers for holding acids or alkalis, oils, non-flammable cleaning solutions etc



Available in 3 colours



PolyPro plastic stacking containers, in different sizes and designs

PE box inserts for PolyPro stacking containers

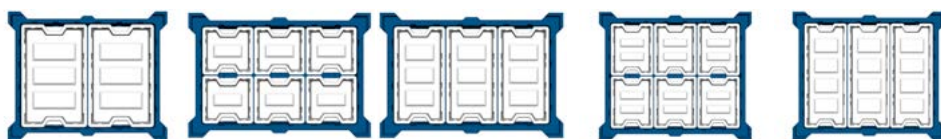
The PE box inserts were specially developed to bring an overview and order to PolyPro stacking containers. With ergonomic handles for easy insertion and removal. The PE box inserts are stackable. The matching box insert sizes can be combined within the same PolyPro stacking container size (see example).



NEW



Arrangement example



PE insert box, suitable for	PolyPro with 260 litre volume		PolyPro with 300 litre volume		PolyPro with 400 litre volume	
External dimensions W x D x H [mm]	437 x 685 x 440	351 x 331 x 440	351 x 667 x 440	351 x 430 x 440	351 x 865 x 440	
Overall load capacity [kg]	100	40	80	50	100	
Colour	Grey	Grey	Grey	Grey	Grey	
Max. number per stacking container	2	6	3	6	3	
Order number	272-436-J1	272-437-J1	272-438-J1	272-439-J1	272-440-J1	

Advantage - the stackable container with added value

- Useful, versatile container for your facilities

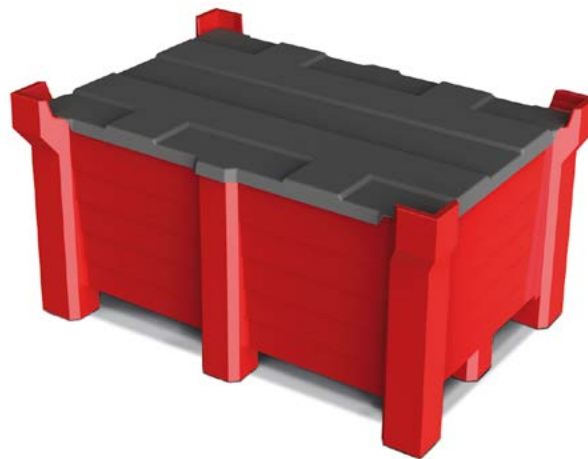
As sump



Stacking container to store one 205 litre drum and various small containers

All sumps are fully compliant with HSE legislation and environmental pollution prevention guidelines

As Universal plastic container



A practical PE lid is available as an accessory. (For prices see table)

As manoeuvrable container



The stacking PE containers can be easily transported indoors using a forklift or a pallet truck

High load capacity - with a permitted maximum load of 2.5t, up to 5 containers can be stacked safely.



Available in 3 colours



Capacity [l]	90	260	300	400
External dimensions W x D x H [mm]	800 x 500 x 500	1000 x 800 x 600	1200 x 800 x 600	1200 x 1000 x 600
Sump capacity [l]*	70	240	280	360
Overall load capacity [kg]	500	500	500	500
Stacked load [kg]	2500	2500	2500	2500
Access width (long side) [mm]	280	350	420	420
Access width (short side) [mm]	340	250	220	320
Order number	185-800-J1	185-805-J1	185-815-J1	185-825-J1
Accessories	PE lid, black, for loose fitting			
Order number	195-517-J1	195-518-J1	195-519-J1	195-520-J1

*When used as spill pallet



Reusable stacking container DENIOS classic-line D

For efficient storage, transport and picking

- In food safe polypropylene (PP)
- Can be stacked to save space
- Versions with stacking brackets and folding lid can be stacked one on top of each other
- Useful handles on 4 sides
- Temperature resistant from -10 °C to +60 °C

NEW



Available in 4 colours



For containers without a lid and with stacking corners, the right lid can be found in the Online Shop.



classic-line
by DENIOS ■■



External dimensions W x D x H [mm]	600 x 400 x 173	600 x 400 x 273	600 x 400 x 323	600 x 400 x 173	600 x 400 x 273	600 x 400 x 323	600 x 400 x 199	600 x 400 x 299	600 x 400 x 349
Features	Without lid	Without lid	Without lid	Stacking frame	Stacking frame	Stacking frame	Folding lids	Folding lids	Folding lids
Overall load capacity [kg]	25	30	35	25	30	35	25	30	35
Stacked load [kg]	200	200	200	200	200	200	200	200	200
Pack contents	3 Item(s)	3 Item(s)	2 Item(s)	3 Item(s)	3 Item(s)	2 Item(s)	3 Item(s)	3 Item(s)	2 Item(s)
Order number Blue	265-231-J1	265-235-J1	265-239-J1	265-251-J1	265-255-J1	265-259-J1	265-263-J1	265-267-J1	265-271-J1
Order number Red	265-232-J1	265-236-J1	265-240-J1	265-252-J1	265-256-J1	265-260-J1	265-264-J1	265-268-J1	265-272-J1
Order number Yellow	265-233-J1	265-237-J1	265-241-J1	265-253-J1	265-257-J1	265-261-J1	265-265-J1	265-269-J1	265-273-J1
Order number Green	265-234-J1	265-238-J1	265-242-J1	265-254-J1	265-258-J1	265-262-J1	265-266-J1	265-270-J1	265-274-J1



Euro stacking container DENIOS classic-line B

classic-line
by DENIOS ■■

High quality, stable Euro container for transport and storage

- In food safe polypropylene (PP)
- Sturdy stable shape with rib-reinforced sides and edge all around
- Ergonomic handle
- Temperature resistant from -10 °C to +60 °C
- Versions available with moulded handles or handle openings in various colours
- Lockable with hinged lid or normal lid (accessory)

NEW

Order at the same time



Hinge fasteners for hinged lid, set of 4

Colour	Blue	Red
Order number	265-222-J1	265-223-J1



Slide fasteners for lid, set of 4

Colour	grey/blue	grey/red
Order number	265-224-J1	265-225-J1



Handle variants
Closed moulded handles in grey or red, handle openings in grey or blue

External dimensions W x D x H [mm]	400 x 300 x 120	400 x 300 x 170	400 x 300 x 220	400 x 300 x 320	600 x 400 x 120	600 x 400 x 170	600 x 400 x 220	600 x 400 x 320
Overall load capacity [kg]	25	25	25	25	40	40	40	40
Stacked load [kg]	300	300	300	300	400	400	400	400
Pack contents	16 Item(s)	10 Item(s)	8 Item(s)	4 Item(s)	8 Item(s)	5 Item(s)	4 Item(s)	3 Item(s)
Features: Moulded handles								
Order number Colour: Grey	265-186-J1	265-187-J1	265-188-J1	265-189-J1	265-190-J1	265-191-J1	265-192-J1	265-193-J1
Order number Colour: grey/red	265-202-J1	265-203-J1	265-204-J1	265-205-J1	265-206-J1	265-207-J1	265-208-J1	265-209-J1
Features: grip openings								
Order number Colour: Grey	265-194-J1	265-195-J1	265-196-J1	265-197-J1	265-198-J1	265-199-J1	265-200-J1	265-201-J1
Order number Colour: grey/blue	265-210-J1	265-211-J1	265-212-J1	265-213-J1	265-214-J1	265-215-J1	265-216-J1	265-217-J1
Accessories								
Order number Lid (without locks)	265-226-J1	265-226-J1	265-226-J1	265-226-J1	265-227-J1	265-227-J1	265-227-J1	265-227-J1
Order number Hinged lid (without locks)	265-228-J1	265-228-J1	265-228-J1	265-228-J1	265-229-J1	265-229-J1	265-229-J1	265-229-J1



Mesh frame, model PG, with fold down flap

Euro pallet cages, model PG

- Optimal storage for pallets
- Welded steel tube design
- Can be stacked 4 high
- The sides are manufactured from steel mesh, size of mesh is 100 x 100 mm
- One side has a fold down flap
- Quick to fit
- Painted: blue (RAL 5012)



More storage capacity due to stackability

Model	PG 8	PG 10	PG 12	PG 16
External dimensions W x D x H [mm]	1200 x 800 x 800	1200 x 800 x 1000	1200 x 800 x 1200	1200 x 800 x 1600
Overall load capacity [kg]	1000	1000	750	750
Stackable	4 times	4 times	4 times	4 times
Weight [kg]	24.5	27.5	31.0	40.0
Order number	129-236-J1	129-237-J1	129-238-J1	129-239-J1



Stackable frame PH with 2 stabilising tubes and 4 stackable corners

Stacking frames model PH for Euro pallets

- Optimal storage for pallets
- Sturdy welded steel tube design
- With 2 stabilising tubes and 4 stacking corners
- Quick to fit
- Can be stacked 3 high
- Painted: blue (RAL 5012)



Model	PH 8	PH 10	PH 12	PH 16
External dimensions W x D x H [mm]	1200 x 800 x 800	1200 x 800 x 1000	1200 x 800 x 1200	1200 x 800 x 1600
Overall load capacity [kg]	1500	1500	750	750
Stackable	3 times	3 times	3 times	3 times
Weight [kg]	21.5	24.0	27.5	31.5
Order number	129-243-J1	129-244-J1	129-245-J1	129-246-J1

Mesh box pallet turner

- For emptying Euro mesh boxes in accordance with UIC standard 435-3
- For turning mesh boxes using a forklift



The mesh box is picked up from underneath on the long side. A lever is operated to secure it and arms grip the feet of the mesh box. The mesh box is tilted by releasing a winch. The mesh box returns to an upright position when the forklift is reversed. The Mesh box pallet turner can be secured to the forklift truck via a chain.



Order no. 145-437-J1

Model	Mesh box pallet turner
External dimensions W x D x H [mm]	570 x 1640 x 450
Overall load capacity [kg]	450
Weight [kg]	90
Order number	145-437-J1

Euro mesh box exchange pallet

- **Ideal for storage and transport purposes**
- Complies with international laws and regulations for transportation on goods vehicles by road and rail (in accordance with UIC standard 435-3)
- Front of the mesh box has two flaps and two boards
- 4 feet enable the mesh box to be picked up by a forklift from all 4 sides
- With stacking corners for stacking the mesh boxes
- Paint: stone grey (RAL 7030)
- Load capacity: 1500 kg

Mesh box pallet lid

- Plastic cover for protecting stored goods in a mesh box
- In impact resistant, seamless polyethylene (PE)
- The cover fits into the angled edge around the mesh box pallet
- The mesh box cover can be secured at the front with a padlock (available as an optional accessory)

Order at the same time

Padlock with chain

Order no. 114-900-J1

Order no. 129-203-J1

Euro mesh box exchange pallet (lid and spill pallet optional)

Mesh box pallet lid,
Order no. 106-176-J1

Mesh box pallet covers

- **Practical accessories for Euro mesh boxes**
- Protect stored goods from dirt and weather
- High-quality textile hood, tear and weather resistant
- Secure carabiner and bungee fastening
- Integral DIN A4 document pocket

Mesh box pallet cover, closed,
Order no. 145-339-J1

Mesh box pallet cover, front side opens,
Order no. 145-343-J1

Mesh box pallet inserts

These inserts enable you to extend the possibilities of the standard mesh box pallet to create a universally useable storage and logistics container

- For storage, collection, and loss-free transport of small packages, loose bulk goods etc
- Chemical-resistant polyethylene construction
- For all mesh boxes in accordance with UIC standard 435-3

Design	Closed	Without front panel
External dimensions W x D x H [mm]	1195 x 795 x 780	1195 x 795 x 780
Weight [kg]	11	11
Order number	145-341-J1	145-342-J1



Mesh box pallet insert without front panel,
Order no. 145-342-J1



Mesh box pallet insert, closed,
Order no. 145-341-J1

Mesh box cross bar

- **For lifting and transporting a mesh box**
- Easy and safe handling of regulation compliant mesh box pallets
- Welded steel design with a crane eye
- Bracket lifts to assist hanging
- The low construction height allows the full capacity of the crane to be used
- Painted yellow (RAL 1004)

Mesh box cross member with 1000 kg load capacity, Order no. 129-204-J1

Mesh box cross member with 2000 kg load capacity, Order no. 129-205-J1



Shelf bins DENIOS classic-line A

For optimum overview and quick access to small parts

- In polypropylene (PP)
- Secure stacking, keeps its shape and sturdy
- Textured base for improved removal of small parts
- Moulded handles on the front side for secure handling
- Temperature resistant from -10 °C to +60 °C

NEW



ESD shelf bins are available
in the DENIOS Online Shop.

www

Order at the same time



Labels with protective foil for
individual labelling
Order no. 265-166-J1

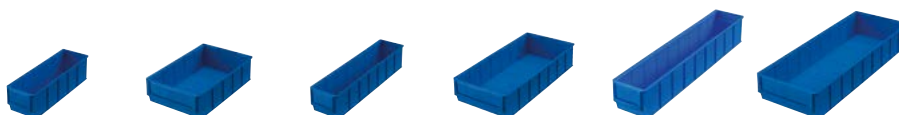


Transparent dividers for better
overview
Order no. 265-163-J1



Pull out stops allow angled shelf
positioning
Order no. 265-165-J1

classic-line
by DENIOS ■■



Design	A1-S	A1-B	A2-S	A2-B	A3-S	A3-B
External dimensions W x D x H [mm]	91 x 300 x 81	185 x 300 x 81	91 x 400 x 81	185 x 400 x 81	91 x 500 x 81	185 x 500 x 81
Overall load capacity [kg]	2	5	2	5	2	5
Stacked load [kg]	6	15	6	15	6	15
Pack contents	16 Item(s)	8 Item(s)	16 Item(s)	8 Item(s)	16 Item(s)	8 Item(s)
Order number Blue	265-151-J1	265-153-J1	265-155-J1	265-157-J1	265-159-J1	265-161-J1
Order number Red	265-152-J1	265-154-J1	265-156-J1	265-158-J1	265-160-J1	265-162-J1
Accessories						
Order number Labels (1 pack = 20 pieces)	265-166-J1	265-167-J1	265-166-J1	265-167-J1	265-166-J1	265-167-J1
Order number Dividers (1 pack = 4 pieces)	265-163-J1	265-164-J1	265-163-J1	265-164-J1	265-163-J1	265-164-J1
Order number Pull out stops (1 pack = 10 pieces)	265-165-J1	265-165-J1	265-165-J1	265-165-J1	265-165-J1	265-165-J1

Open-fronted storage bins DENIOS pro-line A

TÜV tested quality, for clear, safe storage of small parts

- In polypropylene (PP)
- Safe to stack, with sturdy stable shape with edge all around
- Comfortable moulded handle on the front
- Smooth inner surfaces for quick, easy cleaning
- Temperature resistant from -10 °C to +60 °C
- Strip at the rear for attaching to wall mounts (only for versions A1 to A3)
- Moulded handle on the rear for simple handling when full (only for versions A4 and A5)



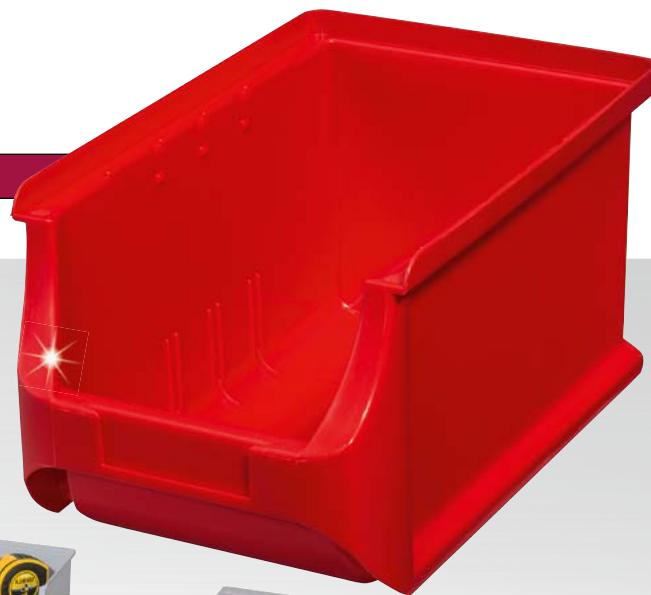
The sturdy open-fronted storage bins allow small items to be stored with a good overview. In order to use the space available in production or the warehouse, bins of the same size can be stacked one on top of another.

Order at the same time



Wall mounting in metal, for open-fronted storage bins variants A1 to A3, Order no. 265-145-J1

NEW



ESD open-fronted storage bins are available in the DENIOS Online Shop.



pro-line
by DENIOS



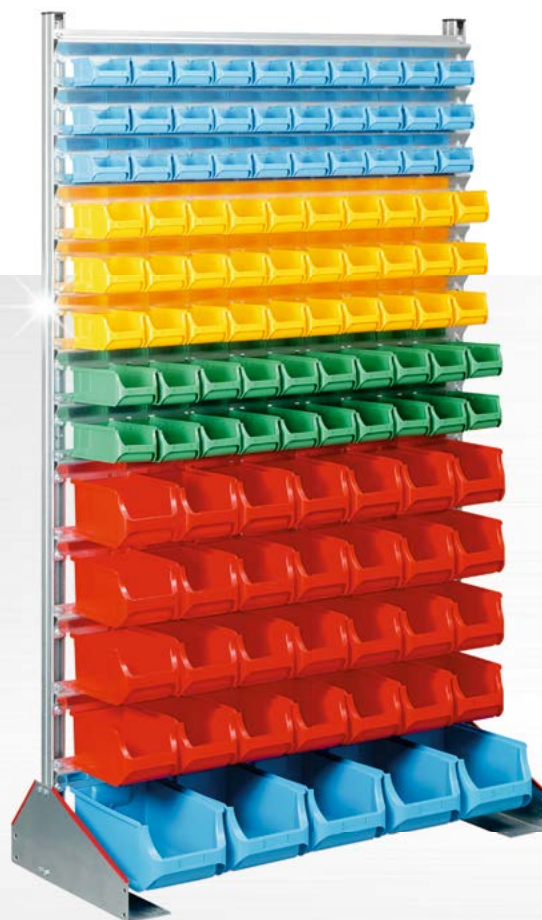
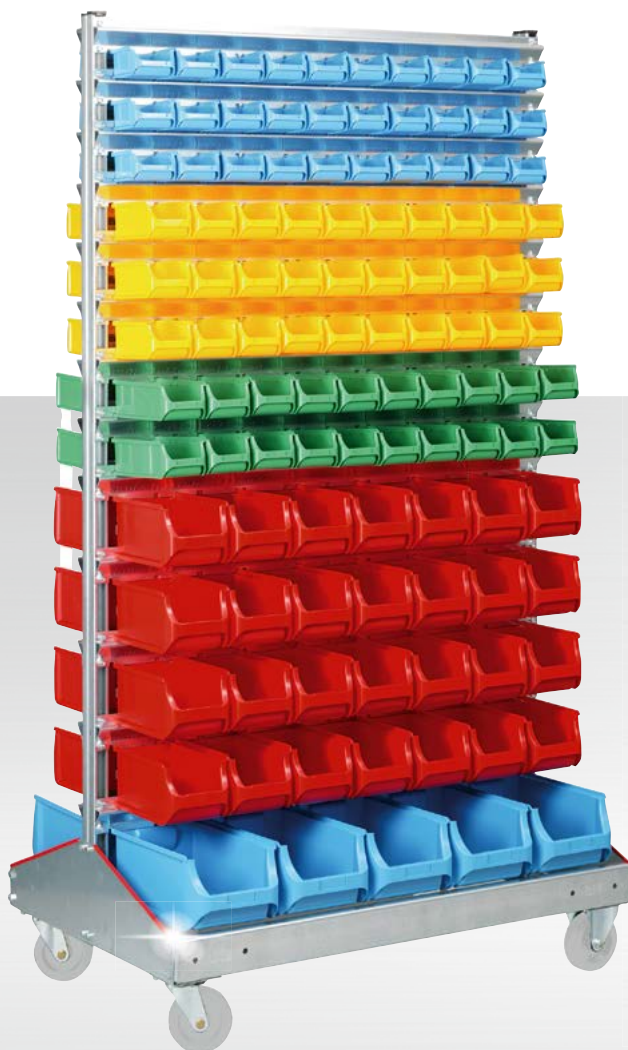
Design	A1	A2	A2-B	A2-L	A3	A4	A5
External dimensions W x D x H [mm]	100 x 100 x 60	100 x 160 x 75	135 x 160 x 82	100 x 215 x 75	150 x 235 x 125	205 x 355 x 150	310 x 500 x 200
Overall load capacity [kg]	2	3	3	3	10	25	35
Stacked load [kg]	6	9	9	9	40	100	140
Pack contents	30 Item(s)	24 Item(s)	20 Item(s)	20 Item(s)	24 Item(s)	12 Item(s)	6 Item(s)
Order number Blue	265-106-J1	265-111-J1	265-136-J1	265-131-J1	265-116-J1	265-121-J1	265-126-J1
Order number Red	265-107-J1	265-112-J1	265-137-J1	265-132-J1	265-117-J1	265-122-J1	265-127-J1
Order number Yellow	265-108-J1	265-113-J1	265-138-J1	265-133-J1	265-118-J1	265-123-J1	265-128-J1
Order number Green	265-109-J1	265-114-J1	265-139-J1	265-134-J1	265-119-J1	265-124-J1	265-129-J1
Order number Grey	265-110-J1	265-115-J1	265-140-J1	265-135-J1	265-120-J1	265-125-J1	265-130-J1
Accessories							
Order number Labels (1 pack = 20 pieces)	265-141-J1	265-141-J1	265-141-J1	265-141-J1	265-142-J1	265-143-J1	265-144-J1

Rack with open-fronted storage bins DENIOS pro-line A

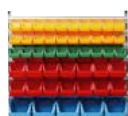
For organisation and quick access to small parts in the workplace

- Delivery includes open-fronted storage bins DENIOS pro-line A in various sizes and colours
- High storage volume in the smallest space
- Bins are easy to remove to replace and refill
- Sturdy frame in galvanised steel
- Supplied flat packed for self assembly, includes mounting equipment

NEW



pro-line
by DENIOS ■ ■ ■



Design	wall shelf	rack	Racking	Racking
External dimensions W x D x H [mm]	1130 x 370 x 1050	1130 x 500 x 1900	1200 x 720 x 1160	1200 x 730 x 2040
Included in delivery	20 x yellow, 100 x 160 x 75, 10 x green, 100 x 215 x 75, 14 x red, 150 x 235 x 125, 5 x blue, 205 x 355 x 150	30 x blue, 100 x 100 x 60, 30 x yellow, 100 x 160 x 75, 20 x green, 100 x 215 x 75, 28 x red, 150 x 235 x 125, 5 x blue, 205 x 355 x 150	40 x blue, 100 x 100 x 60, 40 x yellow, 100 x 160 x 75, 20 x green, 100 x 215 x 75, 28 x red, 150 x 235 x 125	40 x blue, 100 x 100 x 60, 40 x yellow, 100 x 160 x 75, 20 x green, 100 x 215 x 75, 28 x red, 150 x 235 x 125, 10 x blue, 205 x 355 x 150
Order number	265-180-J1	265-177-J1	265-178-J1	265-179-J1

Steel cabinets with open-fronted storage bins DENIOS pro-line A

For clear, safe storage of small parts in the workshop, store and operations

- Delivery includes open-fronted storage bins DENIOS pro-line A in various sizes and colours
- Sturdy powder coated sheet steel design with reinforced wing doors
- Moulded handle for single-handed opening, lockable, 2 keys included
- Easy access to the cabinet contents thanks to 110° door opening angle
- Galvanised shelves, shelf load 50 kg, shelf height adjustable in increments of 10 mm
- Supplied assembled
- Available in widths of 700 mm or 1000 mm

NEW



pro-line
by DENIOS ■ ■ ■



Width, external [mm]	700	700	700	1000	1000
External dimensions D x H [mm]	300 x 1980	300 x 1980	300 x 1980	420 x 1980	420 x 1980
Included in delivery	24 x red, 150 x 235 x 125, 24 x blue, 150 x 235 x 125	60 x red, 100 x 160 x 75, 24 x blue, 150 x 235 x 125	60 x red, 100 x 160 x 75, 54 x blue, 150 x 235 x 125	20 x red, 205 x 355 x 150, 20 x blue, 205 x 355 x 150	30 x red, 150 x 235 x 125, 20 x blue, 205 x 355 x 150
Order number	265-181-J1	265-182-J1	265-183-J1	265-184-J1	265-185-J1

Big Bags for storage, operations and disposal

- Flexible storage, transport and disposal containers
- With 4 lifting loops for transport by forklift, crane etc
- Minimal space requirement when not filled



③ Versatile - Big Bag L/e 1000

- For Universal use from interim storage to disposal (e.G. as a leaf sack etc.)
- Made out of uncoated polypropylene fabric
- With apron for upper cover
- Closed floor

② Dust proof - Big Bag S 1250 (no picture)

- For all pulverised, dusty bulk goods
- Made out of uncoated polypropylene fabric
- Seam welding
- With in and outlet

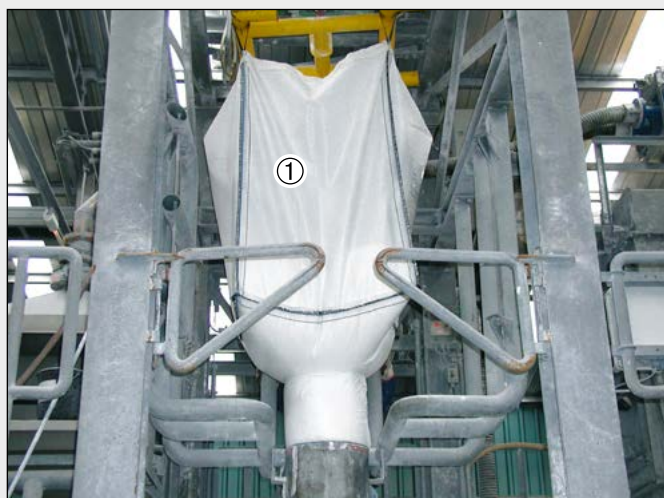
⑤ Big Bag Asbest (without image)

- Specifically for disposing ASBESTOS
- Made out of uncoated polypropylene fabric
- "Asbestos" sign
- With apron for upper cover
- Closed floor



④ Big Bags for storage, operations and disposal

- For stones, sand, gravel, green waste, bark, mulch etc
- Made out of uncoated polypropylene fabric
- Top open
- Closed floor



① For bulk goods - Big Bag S 1000

- For bulk goods such as plastic granulate, recycling material, fertiliser, corn and much more
- Made out of uncoated polypropylene fabric
- With in and outlet

	①	②	③	④	⑤
Model	S 1.000	S 1.250	L / E 1.000	L / E 1.500	Asbestos
External dimensions W x D x H [mm]	910 x 910 x 1750	910 x 910 x 1250	910 x 910 x 1100	900 x 900 x 900	900 x 900 x 1100
Overall load capacity [kg]	1000	1250	1000	1500	1000
Big Bag safety factor	5:1	5:1	5:1	5:1	5:1
Big Bag opening	Filling pipe (Ø 500 mm)	Filling pipe (Ø 400 mm)	Apron	Open	Apron
Floor Big Bag	Dispensing nozzle (Ø 400 mm)	Dispensing nozzle (Ø 400 mm)	Closed	Closed	Closed
Pack contents	10 Item(s)	10 Item(s)	10 Item(s)	10 Item(s)	10 Item(s)
Order number	174-000-J1	173-999-J1	173-998-J1	173-996-J1	173-997-J1



Order no. 180-733-J1

Big Bag lifting cross with standard equipment

Version	Standard	Curved
External dimensions W x D [mm]	1050 x 1050	1050 x 1050
Overall load capacity [kg]	1500	1500
Order number	180-733-J1	181-320-J1

Lifting crosses for Big Bags

■ Safety and practical handling of Big Bags

- Very robust design made out of painted steel profile pipe
- Easy and safe operation with loop attachment in 4 stainless steel hooks (to prevent unintended unhooking)
- Ideal for keeping the Big Bags firm when emptying
- Extra height with loop secured above the profile
- Optional: additional height reduction with version with curved attachment points (steel hooks)



Order no. 181-320-J1

Big Bag lifting cross with angled mounting points for additional height

Your flexible Big Bag fitting

■ To easily open and close Big Bags

- For stepless control of product flow
- Hygienic - no contact with filler
- Flexible and economical - smooth, manual operation
- Can be used immediately - without electrical connection or aids
- Almost wear-free
- With 4 belts and stainless steel hooks to quickly fix to Big Bags



The product flow can be steplessly regulated

Big Bag outlet frame for manual operation, with 4 hanger straps and hooks

Opening diameter [mm]	250	300
External dimensions W x D x H [mm]	430 x 430 x 60	490 x 490 x 60
Weight [kg]	3	4
Order number	180-735-J1	180-736-J1

Fork-lift frame for Big Bag

■ Stack Big Bags safely

- In galvanised steel
- Very robust and can be stacked on 3 levels
- Comprised of base section, upper section and 4 connection pipes, each 2 M (length adjustable)
- Fork pockets for transport with fork lift



The Big Bag stacking frame can be taken apart without tools for space saving storage



Base frame

Version	Base frame	Upper frame
External dimensions W x D x H [mm]	1250 x 1250 x 2350	1250 x 1250 x 2350
Overall load capacity [kg]	1000	1000
Weight [kg]	80	80
Order number	180-737-J1	181-319-J1

Grit bin model GB

- Robust grit bin in environmentally friendly polyethylene (PE)
- Impact resistant, durable and weather resistant
- Forklift pockets for simple access underneath and transport by a pallet truck or forklift

- Space saving design with and without lid, stackable up to 5 high
- With inbuilt lock to protect against unauthorised access
- Overhanging lid prevents precipitation from penetrating and therefore protects the grit from clumping
- Sturdy handles at the sides for manually transporting the container when empty
- Lid with robust hinge, light and easy to fit/remove without the need for tooling
- Dark grey body with coloured lid (either yellow or orange)

Lockable to prevent unauthorised access

Integrated lid pocket, for practical storage of gloves, for example

INNOVATION

Grit bin model GB, space saving design with and without lid, stackable up to 5 high



Lid can be removed easily without the need for tools

NEW



Forklift pockets for simple, easy transport by a pallet truck or forklift



NEW

Order no. 241-877-J1

Grit bin model GB 300 with 300 litre capacity, ideal for storing salt, grit or sand



Model	GB 150	GB 300
Capacity [l]	150	300
External dimensions W x D x H [mm]	1015 x 675 x 660	1150 x 810 x 845
Order number Yellow	241-875-J1	241-877-J1
Order number Orange	241-876-J1	241-878-J1

Accessories	Order number
SPADE MIT D HANDFULL	165-380-J1
DPS SHOVEL w. D HANDLE GP24	165-383-J1
snowplow	165-638-J1
Cold gloves StoneGrip, Cat II, Sz. 10	180-586-J1





Work chairs Premium

- Ergonomic shaped work chair for very demanding applications in production and workshops
- Adjust the seat angle and height to your size with synchronous adjustments
- Maximum freedom of movement in the arm and shoulder area due to tapered backrest
- Sturdy and stable for industrial requirements
- Seat and back are height adjustable
- With handle
- Meets DIN 68 877
- Sturdy surface in PU, fabric or imitation leather

Surface	Artificial leather	Material	Material	Material	Pu
Colour	Black	Black	Blue	Red	Black
Height, seat (mm)	440 mm - 600 mm	440 mm - 600 mm	440 mm - 600 mm	440 mm - 600 mm	440 mm - 600 mm
Order number Plastic	266-909-J1	266-913-J1	266-917-J1	266-921-J1	266-925-J1
Order number Aluminium	266-910-J1	266-914-J1	266-918-J1	266-922-J1	266-926-J1



Work chairs

- The basic model for ergonomic seating in production and workshops
- Sturdy and stable for industrial requirements
- Seat and back are height adjustable
- Meets DIN 68 877
- Sturdy surface in PU, fabric, imitation leather or wood

Surface	Wood	Material	Material	Material	Pu
Colour	Beech	Black	Blue	Red	Black
Height, seat (mm)	430 mm - 570 mm	440 mm - 580 mm	440 mm - 580 mm	440 mm - 580 mm	440 mm - 580 mm
Order number Plastic	266-889-J1	266-893-J1	266-897-J1	266-901-J1	266-905-J1
Order number Aluminium	266-890-J1	266-894-J1	266-898-J1	266-902-J1	266-906-J1



Work stool

- Universal use
- Stepless seat height adjustment
- Sturdy and stable for industrial requirements
- Meets DIN 68 877
- Sturdy surface in PU, fabric, imitation leather or wood

Surface	Wood	Artificial leather	Material	Material	Material	Pu
Colour	Beech	Black	Black	Blue	Red	Black
Height, seat (mm)	450 mm - 620 mm	450 mm - 620 mm	450 mm - 620 mm	450 mm - 620 mm	450 mm - 620 mm	440 mm - 610 mm
Order number Plastic	266-949-J1	266-953-J1	266-957-J1	266-961-J1	266-965-J1	266-969-J1
Order number Aluminium	266-950-J1	266-954-J1	266-958-J1	266-962-J1	266-966-J1	266-970-J1


NEW

Laboratory stool

- For use in the laboratory
- Easy to clean cover - resistant to disinfectants
- Ergonomic shaped work chair for demanding applications
- Meets protection level S1 and S2 for bio labs
- Adjust the seat angle and height to your size with synchronous adjustments
- Seat and back are height adjustable
- Robust surface in imitation leather
- Meets DIN 68 877

Surface	Artificial leather	Artificial leather
Colour	Black	Black
Material, base	Plastic	Aluminium
Height, seat (mm)	430 mm - 590 mm	430 mm - 590 mm
Order number	266-938-J1	266-939-J1


NEW

ESD work chairs

ESD cleanroom stools are available in the DENIOS Online Shop.



- Suitable for use in ESD protection areas
- Electrically conductive in accordance with DIN 61340-5-1, resistance $10^6 \Omega$
- Ergonomic shaped work chair for very demanding applications in production and workshops
- Adjust the seat angle and height to your size with synchronous adjustments
- Maximum freedom of movement in the arm and shoulder area due to tapered backrest
- Sturdy and stable for industrial requirements
- Seat and back are height adjustable
- Robust, abrasion-resistant cover
- With handle
- ESD armrest (266937) Please always order with the chair
- Surface in PU, fabric or imitation leather

Surface	Artificial leather	Material	Pu
Colour	Black	Black	Black
Material, base	Aluminium	Aluminium	Aluminium
Height, seat (mm)	440 mm - 600 mm	440 mm - 600 mm	440 mm - 600 mm
Order number	266-931-J1	266-933-J1	266-935-J1


NEW

ESD work stool

- Suitable for use in ESD protection areas
- Electrically conductive in accordance with DIN 61340-5-1, resistance $< 10^6 \Omega$
- Stepless seat height adjustment
- Sturdy and stable for industrial requirements
- Robust surface in PU or imitation leather

Surface	Artificial leather	Pu
Colour	Black	Black
Material, base	Aluminium	Aluminium
Height, seat (mm)	450 mm - 620 mm	440 mm - 610 mm
Order number	266-978-J1	266-980-J1



There's even more choice in the shop!

» www.denios.co.uk



Accessories	Order number
Upholstery and edge protection for work chairs	266-929-J1
Upholstery and edge protection orange for ESD work chairs	267-226-J1
Armrest PU for work chairs	266-930-J1
Armrest PU for ESD work chairs	266-937-J1

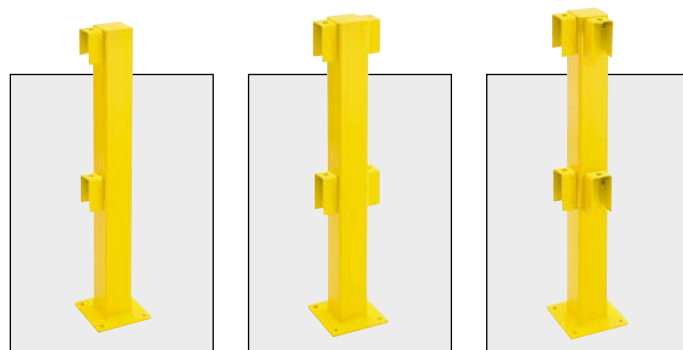


- **Variable system with posts and rails**
- **Quick, easy installation**
- **Ideal for object specific solutions**

- Extremely robust, large, protection and safety equipment in steel profile for high loading
- Clearly separates roadways (forklift truck / pedestrians) and protects working areas and stock
- Interlocking, easy to extend, railing gate suitable for all posts
- Height: 1000 mm
- Floor mounting using 4 Universal anchor bolts per post (10/100) or 4 through anchor bolts (12/120) for concrete floors (optional)
- Wall thickness 3 mm, base plate: 200 x 200 x 10 mm
- For outdoor use: hot dip galvanised and plastic coated in yellow
- For indoor use: plastic coated in yellow



Maximum force absorption



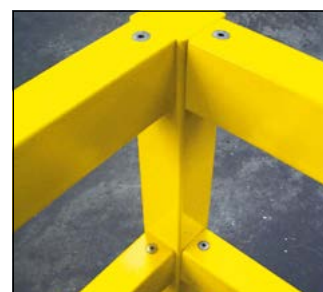
End post

Central post

CORNER post



Quick, simple assembly



Closed construction, no clips or screws

Accessories	Through-anchor (for concrete floors) 12/120, 1 piece	Universal anchor bolt (with bolt) 10/100, 1 piece
Order number	233-428-J1	233-427-J1

Design	Start/end post	Central post	CORNER post	Crossbar 1000 mm	Crossbar 1200 mm	Crossbar 1500 mm	Crossbar 2000 mm	Railing gate with protective panel
External dimensions W x D x H [mm]	100 x 100 x 1000	100 x 100 x 1000	100 x 100 x 1000	1000 x 80 x 120	1200 x 80 x 120	1500 x 80 x 120	2000 x 80 x 120	905 x 30 x 520
Order number plastic coated	180-229-J1	180-230-J1	180-231-J1	180-235-J1	180-236-J1	180-237-J1	180-262-J1	240-912-J1
Order number hot dip galvanised / plastic coated	180-232-J1	180-233-J1	180-234-J1	180-263-J1	180-264-J1	180-265-J1	180-266-J1	—

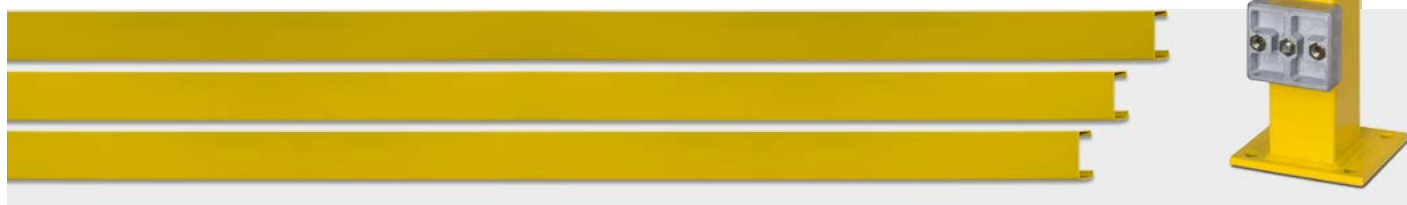
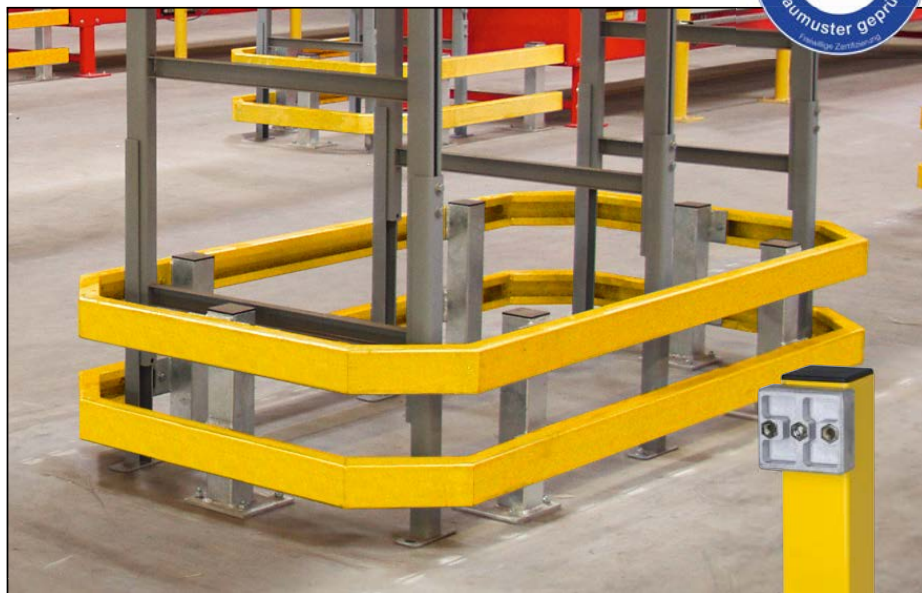
Impact protection boards for sturdy yet flexible object protection

- Flexible impact protection system for use inside and outside
- Solid steel elements ensure maximum force absorption
- Effective protection of columns, posts, working areas against the damage typically caused by forklift trucks and operational traffic
- Flexible impact protection system for use inside and outside
- Easy single-handed assembly
- Suitable for long straight stretches or routes with numerous bends
- Wall thickness 3 mm, base plate: 160 x 140 x 10 mm
- 4 bolts are needed per post

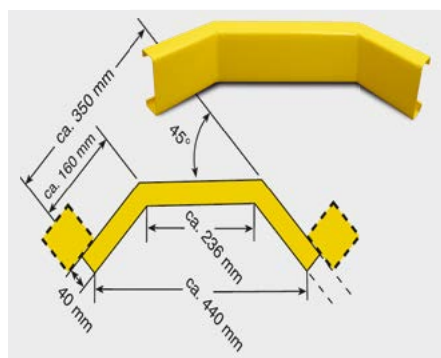
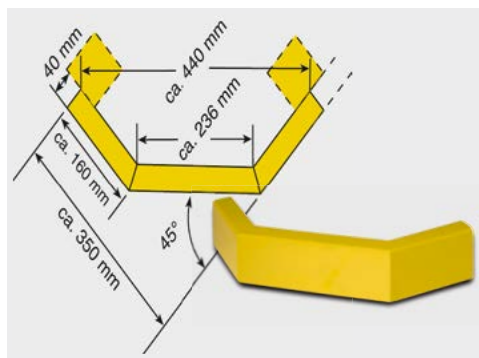
46.874 N

Maximum force absorption

Impact protection boards will protect your valuable equipment and ensure your operations run smoothly and safely



Product short description	Impact protection board W 1000 mm	Impact protection board W 1200 mm	Impact protection board W 1500 mm	Impact protection board W 2000 mm	Post
External dimensions W x D x H [mm]	1000 x 40 x 100	1200 x 40 x 100	1500 x 40 x 100	2000 x 40 x 100	80 x 80 x 465
Order number plastic coated	207-484-J1	207-485-J1	207-486-J1	207-487-J1	207-478-J1
Order number hot dip galvanised / plastic coated	207-488-J1	207-489-J1	207-490-J1	207-491-J1	207-479-J1



- End panel joint in alu, can be used either as an inner or outer corner, angle set between 90° and 180°



End panel joint, angle can be set to between 90° and 180°, Order no. 248-487-J1

Product short description	External CORNER, see diagram above for dimensions	Internal CORNER, see diagram above for dimensions
Order number plastic coated	207-493-J1	207-496-J1
Order number hot dip galvanised / plastic coated	207-494-J1	207-497-J1

Order at the same time

				
Accessories	Extension set, hot dip galvanised and plastic coated, yellow	CAP for c-profile impact protection board side edge	Universal anchor bolt (with bolt) 10/100, 1 piece	Through-anchor (for concrete floors) 12/120, 1 piece
Order number	207-500-J1	207-498-J1	233-427-J1	233-428-J1

Collision protection plate

- Protection for stock, buildings and employees
- Ideal to protect shelving, corners, supports etc
- Steel, plastic coated, yellow, with black safety stripes
- Required collision protection for fixed racks where industrial trucks are used, if these are not on rails



Collision protection is required for fixed racks where industrial trucks are used. These collision protection plates are ideally suited for protecting rack supports, corners or transit areas.

4 mounting dowels (angle profile) are needed for the impact protection CORNER and 6 are needed for the U profile

Model	angle profile	angle profile	angle profile	angle profile	U profile	U profile	U profile	U profile
External dimensions W x D x H [mm]	160 x 160 x 400	160 x 160 x 400	160 x 160 x 800	160 x 160 x 1200	160 x 160 x 400	160 x 160 x 400	160 x 160 x 800	160 x 160 x 1200
Material thickness [mm]	5	6	6	6	5	6	6	6
Order number	248-457-J1	180-221-J1	180-222-J1	180-223-J1	248-458-J1	180-224-J1	240-900-J1	240-901-J1



Accessories	Universal anchor bolt (with bolt) 10/100, 1 piece	Through-anchor (for concrete floors) 12/120, 1 piece
Order number	233-427-J1	233-428-J1

Impact protection corner incl. guide rollers to channel away a large part of side collision forces.

Model	U profile	angle profile
Design	Inc. 2 Guide rollers	Inc. 1 Guide roller
External dimensions W x D x H [mm]	160 x 160 x 400	160 x 160 x 400
Material thickness [mm]	6	6
Order number	219-757-J1	219-756-J1

Shelving collision protection



- Can be assembled in seconds, does not need fixing to the ground
- Impact absorption up to an impact force of up to 2.4 Tonnes
- Elastic, resilient, dimensionally stable - returns to initial shape

- For the safety and protection of shelving, prevents accidents and minimises time and cost of repairs
- Advantageous slim design, no loss of shelf space
- Suitable for refrigerated warehouses down to -40°
- Optimum fit, cannot be ripped off when moving the pallets in and out
- DEKRA tested and certified to European and international standards, FEM 10.2.02, AS4084
- Height: 600 mm
- Models L and XXL are supplied with a fitting tool

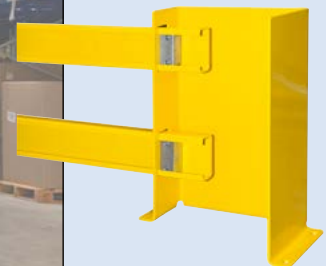


This easy to fit shelf protection system is non-toxic, fully recyclable and long lasting

Model	S	M	L	XXL
Rack stand width	70-87 mm	88-100 mm	101-120 mm	111-120 mm
Order number	207-400-J1	207-401-J1	207-402-J1	240-233-J1

Rack collision protection in steel

- For protecting racking at the front
- Adjustable (up to 200 mm per protective CORNER)
- Multi-sided shelf post protection
- For indoor use
- Consists of two large protective corners, two boards (C profile) and 4 clips
- Steel, yellow plastic coated with black signal stripes
- Floor mounting using 12 universal anchor bolts (10/100) or 12 through anchor bolts (12/120) for concrete floors (optional)
- Easy assembly



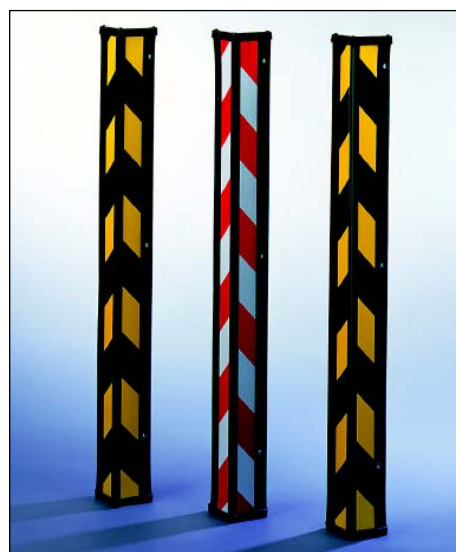
Adjustable width (up to 200 mm per protective CORNER)



Model	E 1	D 2	D 2.1
Design	For shelf widths from 900 to 1300 mm	For shelf widths from 1700 to 2100 mm	For shelf widths from 2300 to 2700 mm
External dimensions D x H [mm]	190 x 500	190 x 500	190 x 500
Order number	233-420-J1	233-421-J1	233-422-J1

CORNER protection barrier

- Visible warning
- Long life
- Quick and easy attachment due to predrilled holes with enclosed screws and dowels
- Protect corners, edges, pillars etc. with the minimum outlay.
- High impact resistance and shape retention
- Suitable for indoor and outdoor use
- Height: 900 mm, width of lateral edges: 84 mm, thickness: 14 mm
- Supplied in pairs



The Universal protective CORNER is made from resistant plastic with a strengthening metal inner core



Model	Yellow / black	Yellow / black reflective	Red/white
Order number	207-403-J1	207-405-J1	207-404-J1

*Unit = 1 box with 2 protective corners

Protective hoops

■ Improved protection and safety for people and machinery

- Robust steel safety system (thickness 3 mm) for protecting sensitive areas, routes or shelving
- Tube material (Ø 76 mm) drawn from one piece - no weld seams
- Floor mounting using 8 Universal anchor bolts (10/100) or 8 through anchor bolts (12/120) for concrete floors (optional)
- For indoor use: yellow plastic coated, with black signal stripes
- For indoor and outdoor use: hot dip galvanised, yellow plastic coated, with black signal stripes
- With welded base plate (160 x 140 x 10 mm) for securing with anchor bolts

Model	R 3.3	R 7.3	R 10.3	R 7.6	R 10.6	R 12.7	R 12.10
External dimensions W x H [mm]	375 x 350	750 x 350	1000 x 350	750 x 600	1000 x 600	750 x 1200	1000 x 1200
Order number Interior	145-165-J1	145-167-J1	145-171-J1	145-172-J1	145-173-J1	145-174-J1	145-175-J1
Order number Indoors and outdoors	145-176-J1	145-177-J1	145-178-J1	145-179-J1	145-180-J1	145-181-J1	145-182-J1

Extreme impact protection guard

- 108 mm diameter, thickness 3.6 mm
- Protects from the hardest impacts
- Solid impact protection to protect key installations

- No weld seams
- Extremely strong round hoop in high grade steel to protect against collision damage
- Floor mounting with 8 through anchor bolts (16/140), optionally available
- For indoor use: yellow plastic coated, with black signal stripes
- Base plates: 200 x 140 x 10 mm
- For indoor and outdoor use: hot dip galvanised, yellow plastic coated, with black signal stripes



Protect your valuable equipment with the extreme impact protection guard. Diameters from 76 mm to 108 mm shown here for comparison.

Model	6.5	10	15	20	H 6.5	H 10	H 15	H 20
External dimensions W x H [mm]	650 x 600	1000 x 600	1500 x 600	2000 x 600	650 x 1200	1000 x 1200	1500 x 1200	2000 x 1200
Order number Interior	207-456-J1	207-457-J1	207-458-J1	207-459-J1	207-464-J1	207-465-J1	207-466-J1	207-467-J1
Order number Indoors and outdoors	207-460-J1	207-461-J1	207-462-J1	207-463-J1	207-468-J1	207-470-J1	207-471-J1	207-472-J1

Design	Universal anchor bolt (with bolt) 10/100, 1 piece	Through-anchor (for concrete floors) 12/120, 1 piece	Through-anchor 16/140, 1 piece
Order number	233-427-J1	233-428-J1	207-473-J1

Flexible impact protection rail

- Flexible protection bars (up to 10°) in high quality steel
- Incl. UV resistant spring element in PU
- Minimises impact and repair damage, the floor is loaded less in the event of an impact
- 3 mm wall thickness, Ø 76 mm, base plate: 160 x 140 x 10 mm
- Maximum tilt:
 - 55 mm at a height of 390 mm
 - 95 mm at a height of 640 mm
 - 190 mm at a height of 1240 mm
- For indoor use: yellow plastic coated, with black signal stripes
- For indoor and outdoor use: hot dip galvanised, yellow plastic coated, with black signal stripes
- A mounting kit is needed for mounting each bar (order No. 207475)



Order at the same time



Attachment set for 2 spring elements
(1 impact protection rail)

Order no. 207-475-J1

There's even more choice in the shop!
denios.shop/impact-protection



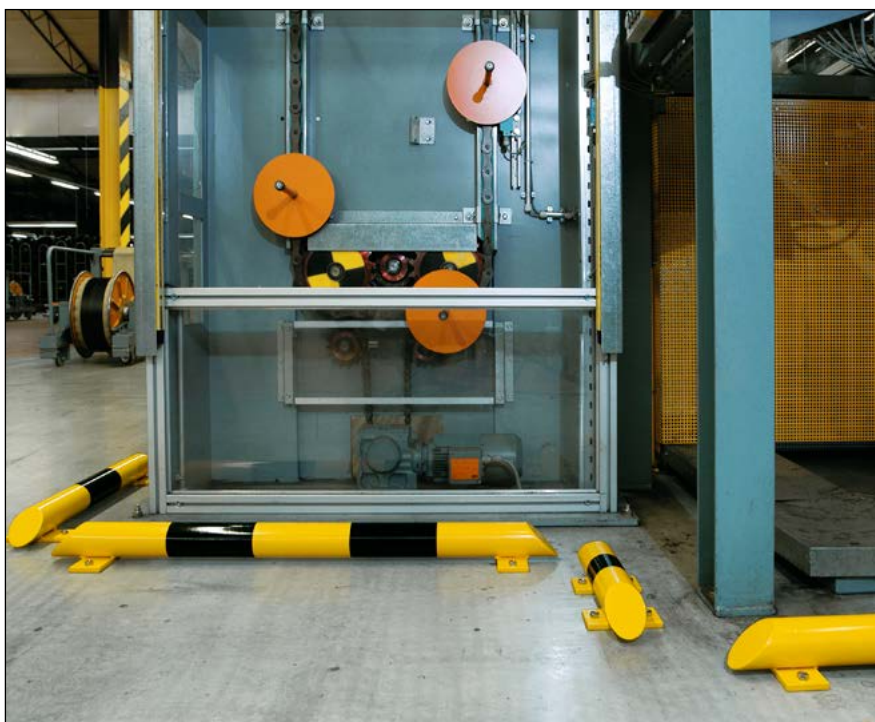
Model	R 3.3 N	R 7.3 N	R 10.3 N	R 7.6 N	R 10.6 N	R 12.7 N	R 12.10 N
External dimensions W x H [mm]	375 x 390	750 x 390	1000 x 390	750 x 640	1000 x 640	750 x 1240	1000 x 1240
Order number Inner	248-330-J1	248-331-J1	248-332-J1	248-333-J1	248-334-J1	248-335-J1	248-336-J1
Order number Indoors and outdoors	248-337-J1	248-338-J1	248-339-J1	248-340-J1	248-341-J1	248-342-J1	248-343-J1

Impact protection rail with underide protection, Ø 76 mm

- With integrated underide protection
- Sturdy protective hoop in high grade steel
- With 4 mm thick steel plates for anchor bolts
- Prevents dangerous insertion of the fork lift truck forks into racking areas or other equipment worthy of protection
- Steel protection hoop (Ø 76 mm), yellow plastic coated, with black signal stripes
- 4 mm thick underide protection, height 150 mm - overall height 350 mm, height 400 mm - overall height 600 mm
- For internal usage
- Floor mounting using 8 Universal anchor bolts (10/100) or 8 through anchor bolts (12/120) for concrete floors (optional)

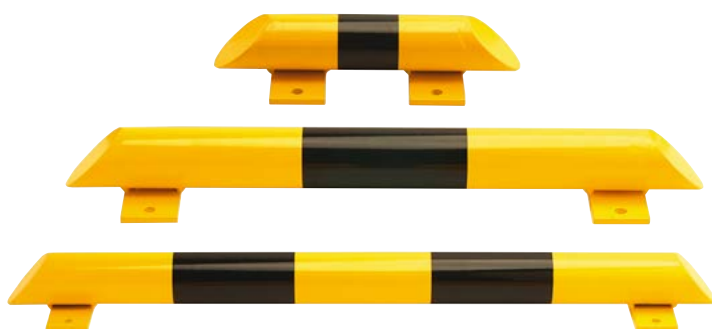


External dimensions W x H [mm]	750 x 350	1000 x 350	750 x 600	1000 x 600
Order number	172-870-J1	172-871-J1	172-872-J1	172-873-J1



Low level protection bars

- Stops pallet trucks, Roll containers and trolleys
- Protects machinery, switchboxes, safety equipment etc. From collision damage
- Acts as spacer for wall-mounted items, switchboxes etc
- Yellow plastic coated with black signal stripes
- Sturdy tubular structure of 3 mm high grade steel
- Diameter: 76 mm, overall height: 86 mm
- Low design, so an area is protected and nevertheless remains accessible
- Floor mounting using 4/6 universal anchor bolts (10/100) or 4/6 through anchor bolts (12/120) for concrete floors (optional)
- Can also be supplied in special dimensions on request



You can also protect curves and corners with CORNER impact protection bars

External dimensions W x H [mm]	400 x 86	800 x 86	1200 x 86
Order number	165-527-J1	165-528-J1	165-529-J1

Body dimensions W x D x H [mm]	638 x 638 x 86
Order number	207-453-J1

CORNER protection hoop

- Optimum protection for corners against being rammed by trolleys, forklifts, etc
- Robust curved tubular construction in 3 mm high grade steel
- Diameter: 76 mm
- The CORNER protectors should be attached with special bolts (12 per CORNER) which are also available
- Available in 3 heights

Model	RE 4	RE 6	RE 12
External dimensions W x D x H [mm]	600 x 600 x 350	600 x 600 x 600	600 x 600 x 1200
Order number plastic coated	165-530-J1	165-531-J1	165-532-J1
Order number hot dip galvanised / plastic coated	165-533-J1	165-534-J1	165-535-J1

12 special bolts required for each CORNER protection hoop, see accessories

Design	Universal anchor bolt (with bolt) 10/100, 1 piece	Through-anchor (for concrete floors) 12/120, 1 piece
Order number	233-427-J1	233-428-J1



Impact and object protection

■ Protection for shelving, machinery and fire extinguishers for example

- Sturdy tubular structure (Ø 42.4 mm, thickness 3.25 mm)
- Powder coated in yellow warning colour (RAL 1018) with black warning rings
- Primed in zinc prior to painting
- Delivered with supports to fix into concrete to hold the barrier in place

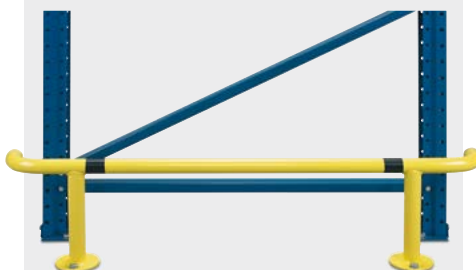
CORNER protection hoop 90°



- Dimensions L x H (mm): 350 x 300
Order no. 157-923-J1
- Dimensions L x H (mm): 350 x 600
Order no. 157-946-J1

Impact protection hoop

- For shelving



- Dimensions L x H (mm): 1250 x 300
Order no. 157-928-J1
- Dimensions L x H (mm): 1250 x 600
Order no. 157-944-J1

Impact protection hoop

- To fix on the wall or shelves



- Dimensions L x H (mm): 350 x 300
Order no. 157-932-J1
- Dimensions L x H (mm): 750 x 300
Order no. 157-941-J1
- Dimensions L x H (mm): 1000 x 300
Order no. 157-943-J1

Protective hoops

- For securing and marking thoroughfares and hazardous areas
- Tube Ø: 42 mm, with foot plate, Ø 120 mm
- Thickness of steel: 2 mm
- Delivered with supports to fix into concrete to hold the barrier in place
- In hot dip galvanised design or with additional powder coating in warning yellow, RAL 1018 and black warning markings (adhesive)



Model	SB L1	SB L2	SB L3	SB V1	SB V2	SB V3
External dimensions W x H [mm]	1000 x 1000	1500 x 1000	2000 x 1000	1000 x 1000	1500 x 1000	2000 x 1000
Surface	painted	painted	painted	galvanized	galvanized	galvanized
Order number	157-947-J1	157-949-J1	157-951-J1	157-952-J1	157-955-J1	157-956-J1

Removable impact protection rail Ø 76

- Saves costly disassembly of fixed impact protection barriers
- For temporary blocking or clearing for example paths or shelving aisles

- With 4 mm thick steel plates for anchor bolts
- The u-bar is placed in the base plate, pushed back and fastened
- A cover plate protects it from slipping out of place and against dirt
- Floor mounting using 8 Universal anchor bolts (10/100) or 8 through anchor bolts (12/120) for concrete floors (optional)
- Sturdy protective hoop in high grade steel
- Steel protection hoop (Ø 76 mm), yellow plastic coated, with black signal stripes
- For internal usage

W x H [mm]	750 x 350	1000 x 350	750 x 600	1000 x 600	Design	Universal anchor bolt (with bolt) 10/100, 1 piece	Through-anchor (for concrete floors) 12/120, 1 piece
Order number plastic coated	180-225-J1	180-226-J1	180-227-J1	180-228-J1		233-427-J1	233-428-J1



- Protection elements indicate sources of danger and prevent impact injuries
- Simple to cut with a sharp knife
- Strong adhesive $\geq 9\text{N}/25\text{ mm}$



Various forms for every area of application

Different shapes for application in every area

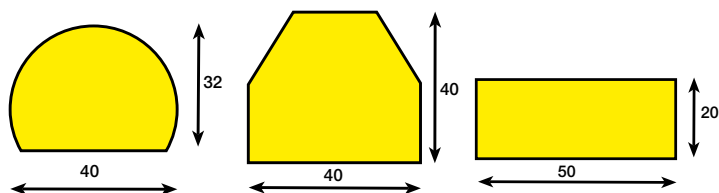
- Protects both people and equipment in busy storage and production areas
- UV resistant, abrasion resistant warning marker in warning colours (in accordance with ASR A 1.3), Yellow / black
- In highly flexible, age resistant polyurethane foam
- Use on machinery, vehicles or roadways, inside or outdoors
- Temperature resistant from -40°C to 90°C
- Can be fitted to curved surfaces
- Fire class UL 94
- Self adhesive foam pieces for protecting large areas



Option: magnetic version (instead of self-adhesive, only available with 1000 mm length)

Impact protection

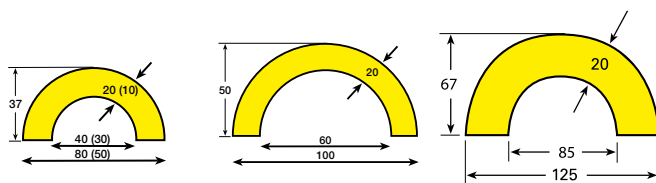
Foam pieces for protecting large areas



Model	C	Cc	D
Design	Self adhesive		
Order number 1000 mm	173-027-J1	173-026-J1	173-028-J1
Order number 5000 mm	173-040-J1	173-039-J1	173-041-J1

Model	C	Cc	D
Design	Magnetic		
Order number 1000 mm	194-890-J1	194-889-J1	194-891-J1

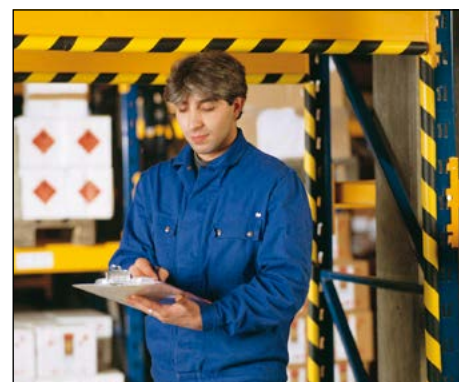
(L 1000 mm: Pack = 1 pce
L 5000 mm: Pack = 1 Roll)



Model	R 30	R 50	Hoop 135
Design	Self adhesive		
Order number 1000 mm	173-037-J1	173-038-J1	129-668-J1
Order number 5000 mm	173-050-J1	—	—

Measurements in brackets are for length (L) 5000 mm

Model	R 30	R 50	Hoop 135
Design	Magnetic		
Order number 1000	194-896-J1	194-897-J1	194-888-J1

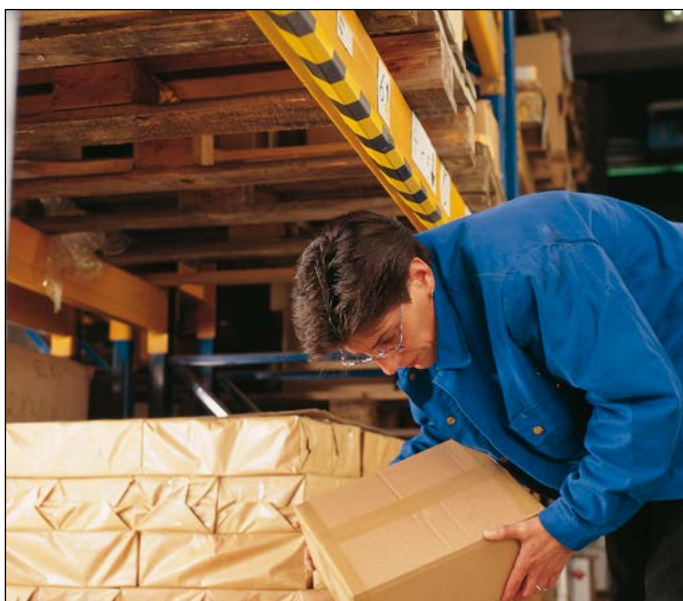


Example of application



Impact protection for production





Safe working conditions with profile protection



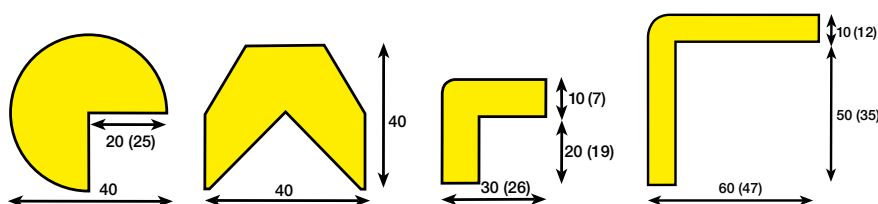
Quick, simple assembly



Option: magnetic version (instead of self-adhesive, only available with 1000 mm length)

Impact protection

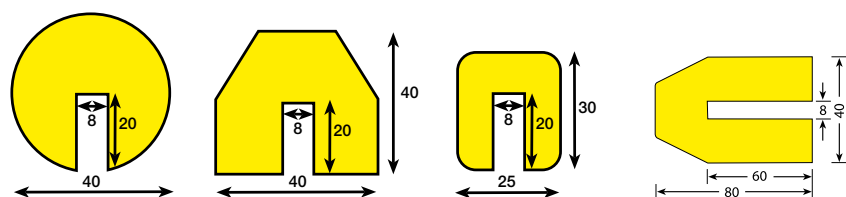
Pieces with cutouts for easy assembly onto profiles or edges



Model	A	Aa	E	H
Design	Self adhesive			
Order number 1000 mm	173-034-J1	173-033-J1	173-035-J1	173-036-J1
Order number 5000 mm	173-047-J1	173-046-J1	173-048-J1	173-049-J1

Measurements in brackets are for length (L) 5000 mm

Model	A	Aa	E	H
Design	Magnetic			
Order number 1000 mm	194-893-J1	194-892-J1	194-894-J1	194-895-J1



Model	B	Bb	G	Trapez 40.80
Design	To clip-on			
Order number 1000 mm	173-031-J1	173-030-J1	173-032-J1	129-666-J1
Order number 5000 mm	173-044-J1	173-043-J1	173-045-J1	—

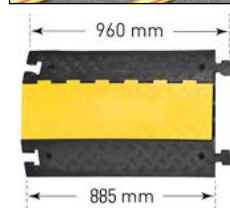
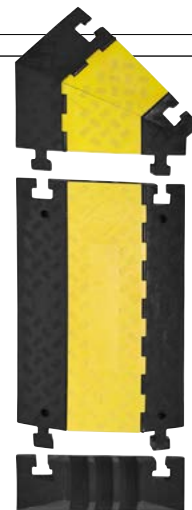


Cable bridge, W 885 mm, with 3 cable ducts for up to 12 t axle load

- Suitable for lorry and forklift & heavy goods vehicle traffic
- Recommended drive-over speed 5 km/h



- Good load bearing capacity with special hard rubber compound (recycled hard rubber)
- Warning yellow cover in high quality plastic with anti-slip surface
- 3 cable ducts (W x H): 2 ducts, 68 x 50 mm and 1 duct 55 x 50 mm
- Drive-over height 75 mm
- Permanent mounting using integral anchor bolts is possible
- For easy driving over and protection of cables and hoses
- No limit to number of sections which can be joined together, net width when combined 885 mm



Model	12	12 WL	12 WR	Ez	EN
External dimensions W x D x H [mm]	885 x 600 x 75	500 x 600 x 75	500 x 600 x 75	283 x 600 x 75	283 x 600 x 75
Design	Cable bridge with 3 cable ducts Model 12	Left hand angle section	Right hand angle section	End section - tongue	End section - groove
Order number	248-348-J1	248-349-J1	248-350-J1	248-351-J1	248-352-J1

Kerb ramp in hard rubber, black, reflective yellow

- Kerb ramp in sturdy hard rubber
- Barrier-free access to footpaths and paved areas



- Optimum safety with yellow reflective stripes and profiled anti-slip surface. Rainwater flows away through the holes on the sides. May also be used as a cable duct.
- Loading up to 40 t

Model	100	150
External dimensions W x D x H [mm]	600 x 300 x 100	600 x 360 x 150
Order number	248-346-J1	248-347-J1

Roll-up cable bridge, 10 m, 1 cable / hose duct Ø 20 mm

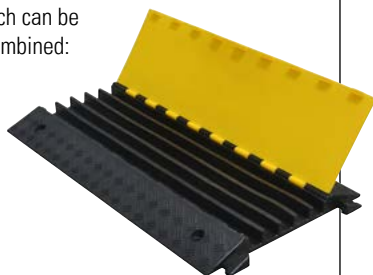
- Space saving, can be cut to size
- Suitable for lorry and forklift traffic
- Recommended drive-over speed: 5 to 20 km/h
- Drive-over height only 30 mm, roll length: 10,000 mm, depth 100 mm
- Flexible, strong rubber compound with profiled surface making it easy to travel over
- For easy driving over and protection of cables and hoses



Model	10
External dimensions W x D x H [mm]	10000 x 100 x 30
Order number	248-354-J1

Cable bridge with 5 cable ducts, for up to 8 t axle load, Model 8

- For easy driving over and protection of cables and hoses
- In special, vulcanised hard rubber compound (recycled rubber)
- No limit to number of sections which can be joined together, net width when combined: 900 mm
- 5 cable ducts (W x H): 36 x 34 mm
- Incl. protective lid and handle
- Suitable for car and lorry traffic. Avoid heavy goods vehicle traffic
- Recommended drive-over speed: 5 to 10 km/h



Model	8
External dimensions W x D x H [mm]	900 x 590 x 50
Order number	248-353-J1

Small cable bridge, recycled rubber, with 3 cable ducts

- For easy driving over and protection of cables and hoses
- 3 cable ducts, 2 x 20 mm and 1 x 45 mm
- Anti-slip rubber lips on the bottom, grippy top surface
- Suitable for lorry and forklift traffic. Also suitable for occasional heavy goods traffic
- Recommended drive-over speed: 5 to 10 km/h

INNOVATION

Order no. 248-345-J1



Model	S3	G3
Colour	Black	Yellow
External dimensions W x D x H [mm]	1200 x 210 x 65	1200 x 210 x 65
Order number	248-345-J1	248-344-J1

Speed ramps

- Greater safety
- Suitable for use with cars, lorries or fork lift trucks

Speed ramps are available in 2 different designs. They ensure that the designated speed limit is adhered to.

- Sturdy design, manufactured from a special plastic / rubber mixture
- Rounded ends protect pedestrians and cyclists
- 25 mounting bolts are optionally available as accessories



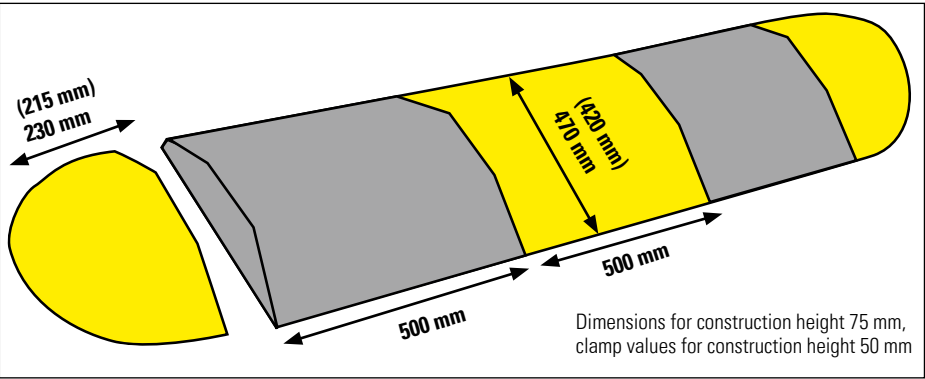
Speed ramp, yellow-black, available in 2 different sizes

Order at the same time

10 mounting bolts,
4 bolts are needed for a centre
section,
2 bolts for an end section



Order no. 165-406-J1



Item explanation	Up to 10 km/H	Up to 10 km/H	Up to 20 km/H	Up to 20 km/H
Model	Middle section	End piece	Middle section	End piece
External dimensions W x D x H [mm]	500 x 470 x 75	230 x 470 x 75	500 x 420 x 50	215 x 420 x 50
Weight [kg]	15	5	8	3
Order number Yellow	165-397-J1	165-400-J1	165-402-J1	165-404-J1
Order number Black	165-398-J1	165-401-J1	165-403-J1	165-405-J1

Hose ramps

- Ensure that cables and hoses can be driven over safely
- Protects them from damage
- Sturdy design, manufactured from special rip resistant rubber
- The joining sections attached at the side enable attachment of a hose bridge combination to cover a larger surface



For hoses / tubes up to	Diameter: 120 mm	Diameter: 75 mm
External dimensions W x D x H [mm]	290 x 1010 x 135	300 x 855 x 85
Weight [kg]	22	12
Order number	165-395-J1	236-878-J1



Industrial safety mirrors

- For observing hazardous areas
- Ideal for production and storage areas
- Manufactured from shock proof perspex
- Yellow plastic frame with black warning stripes according to ASR A 1.3 (DIN 4844)
- Ready for use (mounting integrated in frame, type 76 clamps)
- For indoor and sheltered outdoor use

Model	G 1	G 2	G 3
Feature - mirrors	Square	Square	Square
External dimensions W x H [mm]	600 x 400	800 x 600	1000 x 800
Observer distance [m]	5	10	15
Order number	165-536-J1	165-537-J1	165-538-J1

Order at the same time

Support arm

- The mirror can be mounted on the wall vertically or horizontally
 - Dimensions (W x D x H (mm): 75 x 270 x 190
- Order no. 165-541-J1



Round mirror with magnetic mount

- Round acrylic glass mirror, with strong magnetic base
- For attaching to flat, smooth steel surfaces
- Impact-resistant mirror with excellent reflective quality
- Wide angle effect for observing larger areas
- Incl. Swan neck mount (200 mm) for adjusting angle of view as required



ABS plastic mirror case. Can therefore be used indoors and outdoors if shielded from the wind.

Model	300	450	600
External diameter [mm]	300	450	600
Observer distance [m]	3	5	7
Order number	207-516-J1	207-517-J1	240-908-J1



Observation mirror

- Brilliant reflection
- For monitoring production processes, traffic safety and traffic control
- Impact and shock resistant with SEKURIT safety glass
- Weather and UV-resistant, white plastic frame. Reflecting red surfaces
- The bracket allows the mirror to be fixed in any position. The clamp has a diameter of 76 mm (108 mm clamp or band clamp adapter available on request)

Model	S4	S6	S8
External dimensions W x H [mm]	600 x 400	800 x 600	1000 x 800
Max observation distance [m]	6	12	18
Order number	271-599-J1	271-600-J1	271-601-J1

NEW



Detective's observation mirror

- Wide angle effect: recommended for short observer distances and moderate to large field of observation
- Acrylic glass monitoring and observation mirror
- For indoor use

Available with an extended wall bracket, approx. 550 mm.

Order no. 207-515-J1

Impact resistant and feather light

- Ideal for areas with foot traffic
- Distance from wall for standard design: approx 250 mm, with optional extended wall arm 550 mm
- Includes holder, for mounting on flat surfaces

Model	400	500	600	800
External diameter [mm]	400	500	600	800
Observer distance [m]	3	5	7	11
Order number	207-508-J1	207-509-J1	207-510-J1	207-512-J1

The Detective observation mirrors can be attached to virtually any flat surface (walls, supports) with the mounting supplied. The mirrors can be easily adjusted to observe any point required.

Traffic mirror

- Acrylic glass traffic mirror, high quality



- For indoor and outdoor use
- With curved mirror surface
- Housing is weather resistant and UV resistant
- Mounting clips (Ø 76 mm) are included
- For observing hazardous areas

Traffic mirror model VS

Model	VS 1	VS 2	VS 3
External dimensions W x H [mm]	600 x 400	800 x 600	1000 x 800
Min observation distance [m]	5	10	15
Order number	129-681-J1	129-682-J1	129-683-J1

Wide angled traffic mirrors for indoor and outdoor use

- Mirror in acrylic glass
- For observing hazardous areas
- Ideal for checking entrances
- Includes mounting for posts Ø 76 mm



Model	SE 600	SE 800
External dimensions W x H [mm]	600 x 400	800 x 600
Min observation distance [m]	5	8
Order number	129-678-J1	129-680-J1

- For observing hazardous areas
- Ideal for checking entrances
- Round mirror in special impact resistant plastic
- With wall mounting (250 mm)



Model	SR 400	SR 600	SR 800
External diameter [mm]	400	600	800
Observer distance [m]	3	7	11
Order number	129-673-J1	129-675-J1	129-677-J1

Order at the same time

Tubular posts, hot dip galvanised, for mirror models SE and VS, height 3000, Ø 76 mm
Order no. 129-669-J1

Tubular posts, hot dip galvanised, for mirror models SE and VS, height 4000, Ø 76 mm
Order no. 129-670-J1

Support arm for mirrors, model SE and VS, distance from wall approx. 500 mm,
Order no. 129-671-J1

Panoramic traffic mirror

- Ideal for use to enhance safety when using warehouse vehicles
- Traffic mirror manufactured from perspex



Order at the same time

- Set of chains for model PS 360, to suspend mirror from the roof 4 metre length
Order no. 129-684-J1



Panoramic mirror model PS 360 for ceiling mounting. (Chain set available as an option)

Model	PS 180-6	PS 180-9	PS 360-6	PS 360-9	PS 360-13
Design	Wall-mounted	Wall-mounted	Ceiling-mounted	Ceiling-mounted	Ceiling-mounted
Feature - mirrors	Three way mirror, 180°	Three way mirror, 180°	Four way mirror, 360°	Four way mirror, 360°	Four way mirror, 360°
External dimensions W x D x H [mm]	600 x 240 x 320	900 x 250 x 450	—	—	—
External diameter [mm]	—	—	600	900	1250
Min observation distance [m]	5	7	3	5	8
Order number	129-685-J1	129-688-J1	129-689-J1	129-690-J1	129-692-J1



Anti-slip surface with aluminium oxide grit, excellent slip resistance R 13, DGUV Rule 108-003 (previously BGR 181). For the quick removal and marking out of hazardous areas

m2-anti-slip tape™ Universal

The universal tape for almost any surface. Excellent suitability for anti-slip marking in workshops, production halls or warehouses. Available in rolls of different widths.

- Permanent adhesion thanks to acrylic adhesive layer, self-adhesive reverse side with peel-off foil to protect the adhesive layer
- Can be used on almost all substrates, concrete, wood and asphalt recommended
- High abrasion resistance (approx. 1 million steps)
- UV stable, tear-proof and can be driven over by a forklift, easy to clean
- Can be stepped on immediately, can be loaded 6-8 hours after application, maximum adhesion after 72 hours
- Suitable for indoors and outdoors, for medium to high loads
- Firm adhesion to smooth, damp or oily/greasy surfaces

60 grit aluminium oxide



Go online! Discover even more exciting product highlights!

» www.denios.co.uk

Colour	Black	Grey	Yellow	Blue	Red	Transparent
Order number Roll width 19 mm*	263-629-J1	263-709-J1	263-658-J1	263-733-J1	263-757-J1	263-682-J1
Order number Roll width 25 mm*	263-631-J1	263-711-J1	263-660-J1	263-734-J1	263-759-J1	263-684-J1
Order number Roll width 50 mm*	263-633-J1	263-713-J1	263-662-J1	263-736-J1	263-761-J1	263-686-J1
Order number Roll width 75 mm*	263-635-J1	263-715-J1	263-664-J1	263-738-J1	263-763-J1	263-688-J1
Order number Roll width 100 mm*	263-637-J1	263-717-J1	263-666-J1	263-741-J1	263-765-J1	263-691-J1
Order number Roll width 150 mm*	263-639-J1	263-719-J1	263-668-J1	263-743-J1	263-767-J1	263-693-J1

*each 1 roll, 18.3 m

m2-anti-slip tape™ warning symbols



60 grit aluminium oxide

Marking of hazardous areas and anti-slip function in a single product.

- Prevention of slip accidents and the resulting costs. Ideal for entrances and passageways, pavements, stairs, ascents or ramps for example
- Anti-slip floor marking for workshops, production rooms, warehouses and more
- Warning of long-term, temporary or special hazardous areas
- Integral product (not laminated)
- Permanent adhesion thanks to acrylic adhesive layer, self-adhesive reverse side with peel-off foil to protect the adhesive layer
- Can be used on almost all substrates, concrete, wood and asphalt recommended
- UV stable, tear-proof and can be driven over by a forklift, easy to clean

Colour	Yellow / Black	Red / White
Order number Roll width 25 mm*	263-909-J1	263-933-J1
Order number Roll width 50 mm*	263-911-J1	263-935-J1
Order number Roll width 75 mm*	263-913-J1	263-937-J1
Order number Roll width 100 mm*	263-915-J1	263-939-J1
Order number Roll width 150 mm*	263-917-J1	263-940-J1

*each 1 roll, 18.3 m

m2 anti-slip tape™ Public 46

- High abrasion resistance (approx. 1 million steps)
- Long lasting warning
- Prevention of slip accidents and the resulting costs. Ideal for entrances and passageways, pavements, stairs, ascents or ramps for example
- Permanent adhesion thanks to acrylic adhesive layer, self-adhesive reverse side with peel-off foil to protect the adhesive layer
- Can be used on almost all substrates, concrete, wood and asphalt recommended
- UV stable, tear-proof and can be driven over by a forklift, easy to clean
- Anti-slip floor marking for workshops, production rooms, warehouses and more

46 grit aluminium oxide



Colour	Yellow
Order number Roll width 25 mm*	264-257-J1
Order number Roll width 50 mm*	264-258-J1
Order number Roll width 100 mm*	264-259-J1
Order number Roll width 150 mm*	264-260-J1

*each 1 roll, 18.3 m

Large floor marking symbols

With clear, long lasting print and anti-slip surface (60 grit). Available with warning symbols (triangle with side length 600 mm) and prohibition/mandatory symbols (circle with diameter 400 mm)



There's even more choice in the shop!

» www.denios.co.uk

Warning - forklifts



Pedestrians prohibited



For pedestrians



Colour	Yellow / Black	Red / White	Blue/white
Order number	264-070-J1	264-075-J1	264-083-J1

m2-anti-slip tape™ deformable

The flexible aluminium backing moulds well to the shape of the substrate, for example ripple plate, corrugated sheet and stud plate.

- Prevention of slip accidents and the resulting costs. Ideal for entrances and passageways, pavements, stairs, ascents or ramps for example
- Anti-slip floor marking for workshops, production rooms, warehouses and more
- Also suitable for edgings



60 grit aluminium oxide



For heavy duty applications look for the "Extra strong and Extra strong Deformable" versions in our Online Shop (24 grit aluminium oxide)



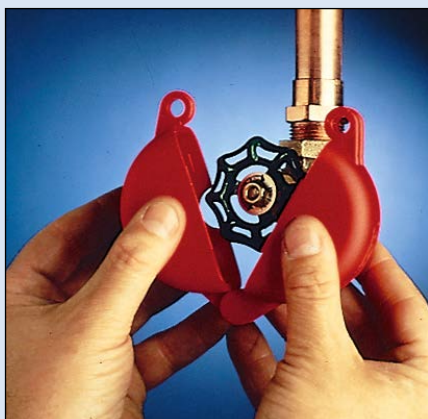
Colour	Black	Yellow	Yellow / Black
Order number Roll width 25 mm*	264-194-J1	264-212-J1	264-223-J1
Order number Roll width 50 mm*	264-196-J1	264-213-J1	264-224-J1
Order number Roll width 100 mm*	264-198-J1	264-214-J1	264-225-J1
Order number Roll width 150 mm*	264-200-J1	264-215-J1	264-226-J1

*each 1 roll, 18.3 m

Securing industrial equipment in accordance with the works safety regulations

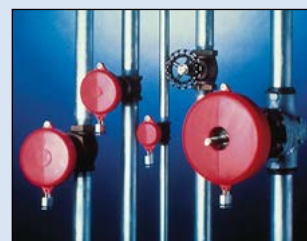
EC directive 89/655 sets out "minimum guidelines" for safety and health protection. Article 3 states that the employer must ensure that working equipment is provided in such a way that when used, the safety and protection of the health of the employee is guaranteed. Each piece of working equipment must be provided with clearly visible devices so that it can be shut it off from each individual source of energy.

- Safe working during maintenance, cleaning or repair work
- Prevents injury or damage to property
- Clear, visible indication of locking/blocking



Gate valve lockout/tagout systems

- Suitable for handwheels with diameter of 25 to 320 mm
- Long lasting polypropylene
- Resistant to temperature variations between -40° and 150° C
- Available in 5 sizes and 4 colours
- Locking system for gate valves
- For locks with a shackle diameter of max. 6.5 mm and a shackle length of min. 38 Mm



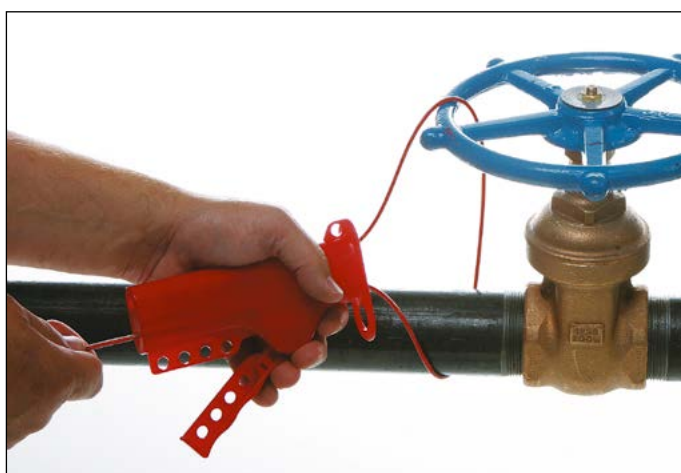
Model	Diameter 25-64 mm	Diameter 64-127 mm	Diameter 127-165 mm	Diameter 165-254 mm	Diameter 254-320 mm
Order number Red	209-715-J1	209-716-J1	209-717-J1	209-718-J1	209-719-J1
Order number Yellow	209-720-J1	209-721-J1	209-722-J1	209-723-J1	209-724-J1
Order number Green	209-725-J1	209-726-J1	209-727-J1	209-728-J1	209-729-J1
Order number Blue	209-730-J1	209-731-J1	209-732-J1	209-733-J1	209-734-J1



Order no. 209-714-J1

Adjustable locking system for valve handwheels

- Suitable for handwheels with diameter of 25 to 165 mm
- Long lasting polypropylene
- Resistant to large temperature variations between -20° and 80° C
- For locks with a shackle diameter of max. 7 mm and a shackle length of min. 20 Mm



General purpose locking systems

- For locking valves, isolating switches, circuit breakers etc
- Lock several control points with one piece of equipment
- Cable is simple to tighten with the practical hand tensioner
- Grip in sturdy, impact resistant nylon, corrosion-free and chemical resistant
- Cable length 2.44 M
- Suitable for up to 4 locks with a shackle diameter of max. 7 mm and a shackle length of min. 20 Mm

Model	Nylon cable (non-conductive)	Steel cable, (vinyl coated)
Order number	209-735-J1	209-736-J1

Universal valve locks - one piece of equipment for a wide range of applications

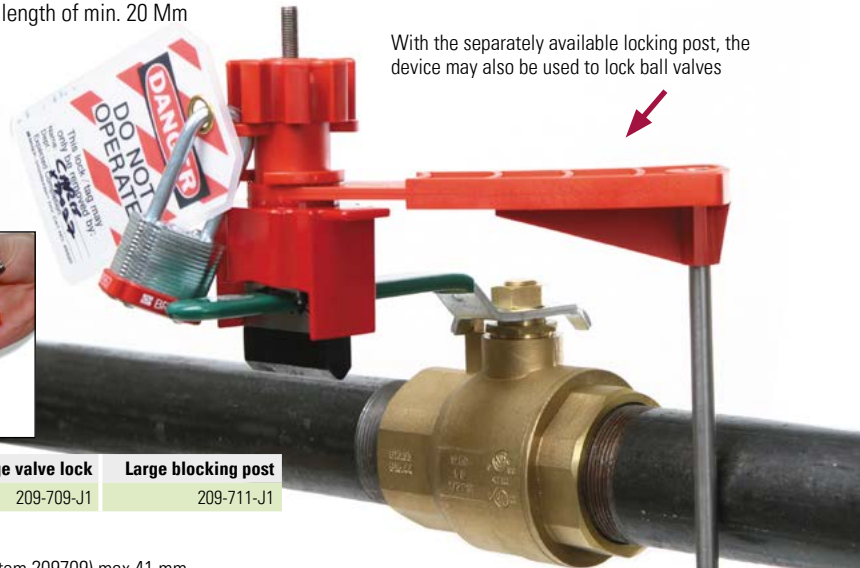
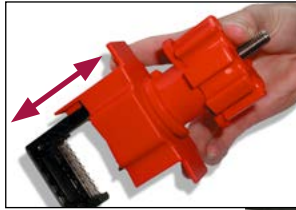
- **Ideal for locking ball valves and butterfly valves**
- Individually adjustable hook also fits locked pipe clamps and large handles
- For locking open and closed valves
- In steel and nylon for long life and resistance to chemicals
- Suitable for locks with a shackle diameter of max. 9 mm and a shackle length of min. 20 Mm

Locking butterfly valves with the Universal valve shut-off device: the hook is attached to the butterfly valve handle. The valve setting may no longer be altered

Small valve shut-off device: lift 19 mm, large valve shut-off device: lift 32 mm

The Universal lock sets a new standard for locking technology. No other lock can be used for so many different types of valve and valve size.

With the separately available locking post, the device may also be used to lock ball valves

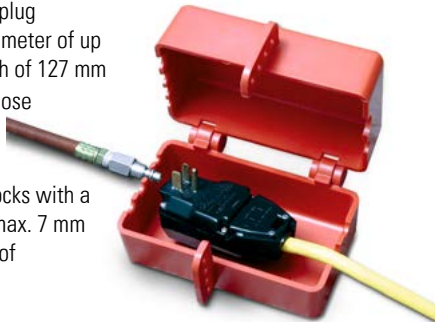


Model	Small valve lock	Small blocking post	Large valve lock	Large blocking post
Order number	209-708-J1	209-710-J1	209-709-J1	209-711-J1

Maximum lever width (width of a ball valve lever or grip on a butterfly valve):
small valve shut-off device (item 209708) max 25 mm, large valve shut-off device (item 209709) max 41 mm

Locks for electrical/ pneumatic connections

- Space for an electric plug connection with a diameter of up to 89 mm and a length of 127 mm
- Also suitable for air hose connections
- Made from polystyrol
- Suitable for up to 4 locks with a shackle diameter of max. 7 mm and a shackle length of min. 20 Mm



Order no. 209-739-J1

Locks for electrical socket connections

- Simple to use
- Effectively prevents unauthorised or inadvertent use of electrical equipment
- Suitable for locks with a shackle diameter of max. 7 mm and a shackle length of min. 20 Mm



Model	Cable diameter max. 10 mm	Cable diameter max. 22 mm
Order number	209-741-J1	209-751-J1

Locks for industrial socket connections

- Effective protection to all industrial plug connections
- Suitable for locks with a shackle diameter of max. 7 mm and a shackle length of min. 20 Mm
- Small lock: for connectors, max. 70 mm Ø, max. Length 120 mm, cable Ø max. 25 Mm
- Large lock: for connectors, max. 100 mm Ø, max. Length 250 mm, cable Ø max. 35 Mm



Model	Cable diameter up to 25 mm	Cable diameter up to 35 mm
Order number	209-742-J1	209-743-J1

Multi-lock clips

- **For taking up to 6 locks, so multiple people can secure a piece of equipment**
- In vinyl coated stainless steel
- Suitable for locks with a shackle diameter of max. 9.5 mm and a shackle length of min. 20 Mm



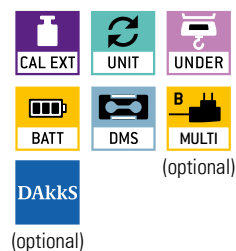
Model	Ring diameter 25 mm	Ring diameter 38 mm	Ring diameter 25 mm	Ring diameter 38 mm
Colour 1	Red	Red	Yellow	Yellow
Order number	209-698-J1	209-699-J1	209-700-J1	209-701-J1

KERN precision balances EMB, weighing range up to 6 kg

- Entry-level model for basic applications
- High mobility, with battery operation (batteries included)
- Simple, easy to use 2-button operation
- Special flat design



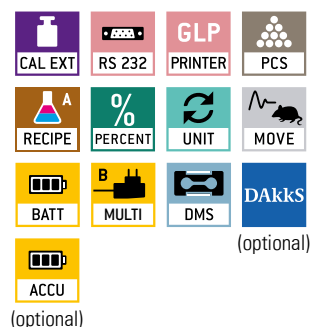
Analytical balances are available in the Online Shop.



Weighing range max.	100 g	200 g	200 g	500 g	600 g	1,0 kg	1,2 kg	2,0 kg	2,2 kg	3,0 kg	5,2 kg	6,0 kg
Readability d	1 mg	10 mg	1 mg	100 mg	10 mg	10 mg	100 mg	10 mg	1 g	100 mg	1 g	100 mg
Weighing plate diameter [mm]	82	105	82	150	105	150	150	150	150	150	150	150
Reproducibility	1 mg	10 mg	1 mg	100 mg	10 mg	10 mg	100 mg	10 mg	1 g	100 mg	1 g	100 mg
Linearity	5 mg	20 mg	5 mg	200 mg	30 mg	50 mg	300 mg	50 mg	2 g	300 mg	3 g	300 mg
Order number	266-401-J1	266-402-J1	266-403-J1	266-404-J1	266-405-J1	266-406-J1	266-407-J1	266-408-J1	266-409-J1	266-410-J1	266-411-J1	266-412-J1
Order number DAkks calibration certificate	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-678-J1	266-678-J1

KERN bench scales FCB, weighing range up to 30 kg

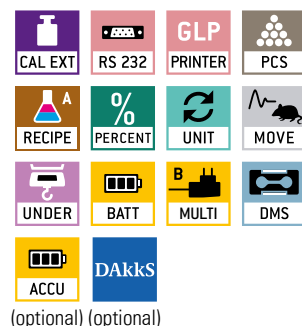
- Can be used in production, quality control, warehouse and dispatch for example
- Second display on the rear of the scale
- Many functions such as pre-tare deduction, recipe function or parts counting
- Freely programmable weighing unit
- As standard with RS-232 interface for sending values to the PC or printer
- High mobility with battery operation (not included in delivery)



Weighing range max.	3 kg	6 kg	8 kg	12 kg	24 kg	30 kg
Readability d	100 mg	500 mg	100 mg	1 g	2 g	1 g
Dimensions of weighing plate [mm]	228 x 252	228 x 252	228 x 252	228 x 252	228 x 252	228 x 252
Reproducibility	100 mg	500 mg	100 mg	1 g	2 g	1 g
Linearity	300 mg	1,500 g	300 mg	3 g	6 g	3 g
Order number	266-466-J1	266-467-J1	266-468-J1	266-469-J1	266-470-J1	266-471-J1
Order number DAkks calibration certificate	266-677-J1	266-678-J1	266-678-J1	266-678-J1	266-678-J1	266-678-J1

KERN precision balances PCB, weighing range up to 10 kg

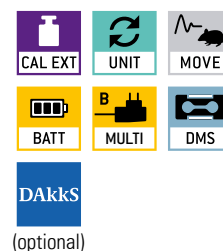
- Many laboratory functions such as pre-tare deduction, recipe function and percentage determination
- Freely programmable weighing unit
- High mobility with battery operation (not included in delivery)
- Parts counting
- As standard with RS-232 interface for sending values to the PC or printer



Weighing range max.	100 g	200 g	250 g	350 g	1,0 kg	1,0 kg	2,0 kg	2,5 kg	3,5 kg	6,0 kg	6,0 kg	10 kg
Readability d	1 mg	10 mg	1 mg	1 mg	100 mg	10 mg	100 mg	10 mg	10 mg	1 g	100 mg	100 mg
Weighing plate diameter [mm]	81	105	81	81	—	—	—	—	—	—	—	—
Dimensions of weighing plate [mm]	—	—	—	—	130 x 130	130 x 130	130 x 130	130 x 130	130 x 130	150 x 170	150 x 170	150 x 170
Reproducibility	1 mg	10 mg	1 mg	2 mg	100 mg	10 mg	100 mg	10 mg	20 mg	1 g	100 mg	100 mg
Linearity	3 mg	20 mg	5 mg	5 mg	200 mg	30 mg	200 mg	50 mg	50 mg	2 g	300 mg	300 mg
Order number	266-414-J1	266-415-J1	266-416-J1	266-417-J1	266-418-J1	266-419-J1	266-420-J1	266-421-J1	266-422-J1	266-423-J1	266-424-J1	266-425-J1
Order number DAkks calibration certificate	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-677-J1	266-678-J1	266-678-J1	266-678-J1

KERN parcel scales EOB, weighing range up to 300 kg

- Multipurpose, e.g. in parcel dispatch or as a check scale
- Simple 4-button operation
- Stainless steel weighing plate
- Wall mounted display
- High mobility with battery operation (not included in delivery)



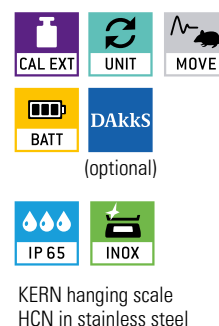
Weighing range max.	15 kg	35 kg	60 kg	60 kg	150 kg	150 kg	150 kg	300 kg	300 kg	300 kg
Readability d	5 g	10 g	20 g	20 g	50 g	50 g	50 g	100 g	100 g	100 g
Dimensions of weighing plate [mm]	305 x 315	305 x 315	305 x 315	550 x 550	305 x 315	550 x 550	950 x 500	305 x 315	550 x 550	950 x 500
Reproducibility	5 g	10 g	20 g	20 g	50 g	50 g	50 g	100 g	100 g	100 g
Linearity	10 g	20 g	40 g	40 g	100 g	100 g	100 g	200 g	200 g	200 g
Order number	266-549-J1	266-550-J1	266-551-J1	266-552-J1	266-553-J1	266-554-J1	266-555-J1	266-556-J1	266-557-J1	266-558-J1
Order number DAKKS calibration certificate	266-678-J1	266-678-J1	266-679-J1	266-679-J1	266-679-J1	266-679-J1	266-679-J1	266-679-J1	266-679-J1	266-679-J1

KERN hanging scale HCB/ HCN, weighing range up to 1 t

- Can be used as a check scale in production, warehouse, quality control and dispatch for example
- Housing in plastic or stainless steel
- Stainless steel housing with dust and water spray protection IP 65
- Hold function - makes it easy to read the weighed value, automatically when the scale is still or manually by pressing the Hold button
- High mobility, with battery operation (batteries included)
- Peak load display
- Scales up to and including 200 kg with stainless steel hook and carabiner



KERN hanging scale
HCB in stainless steel



KERN hanging scale
HCN in stainless steel

Housing material	Plastic									Stainless steel		
Weighing range max.	20 kg	50 kg	50 kg	99 kg	100 kg	200 kg	200 kg	500 kg	1 t	50 kg	100 kg	200 kg
Readability d	10 g	20 g	100 g	50 g	200 g	100 g	500 g	1 kg	2 kg	100 g	200 g	500 g
External dimensions W x D [mm]	45 x 80	45 x 80	45 x 80	45 x 80	45 x 80	45 x 80	45 x 80	42 x 80	48 x 80	45 x 90	50 x 95	50 x 95
Order number	266-628-J1	266-629-J1	266-630-J1	266-631-J1	266-632-J1	266-633-J1	266-634-J1	266-635-J1	266-636-J1	266-639-J1	266-640-J1	266-641-J1
Order number DAKKS calibration certificate	266-690-J1	266-690-J1	266-690-J1	266-691-J1	266-691-J1	266-691-J1	266-691-J1	266-692-J1	266-692-J1	266-690-J1	266-691-J1	266-691-J1

Accessories	Order number
Universal power adapter external (EURO, CH, UK, US) for balance model EMB	266-413-J1
Internal battery operation, includes adapter (EURO, CH, UK, US) for balance model PCB and FKB	266-426-J1
Internal battery operation (EU) for scale model FCB	266-472-J1
Stainless steel carabiner with safety lock, for scale model HCB / HCN	266-637-J1
Stainless steel hook, for scale model HCB / HCN	266-638-J1
Dot matrix printer for balance model 572	266-446-J1
Rolls of paper for dot matrix printer for balance model 572, 10 pieces	266-447-J1

Explanation of pictograms

Weighing principle: Strain gauges	Weighing units can be switched	Underfloor weighing	Addition of recipe components	Deviation in % from setpoint
Parts counting	Data interface RS-232	Print the date and time with the KERN printer	Dust and water spray protection IP 65	Stainless steel
Dakks calibration certificate (DKD) available	Battery operation	Hold function	Universal power adapter for EU, CH, GB, USA	Battery operation

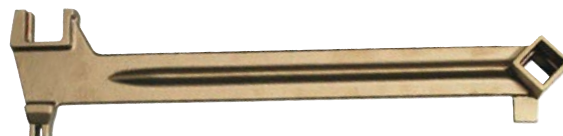
- Spark-free tools in special non-ferrous alloys.
Certified for use in zones with combustible or highly flammable vapours, liquids or dusts.

**FOR SAFE WORKING IN
POTENTIALLY EXPLOSIVE
AREAS!**

Universal drum wrench, spark-free

- In special bronze (aluminium multi-alloy bronze)
- Fine sand-blasted surface
- For 22 drum closures

Length [mm]	Order number
380	250-295-J1



Open end spanner set in special bronze, spark-free

- Similar to DIN 3110

Wrench width	Length [mm]	Order number
6 x 7 mm	125	250-297-J1
8 x 9 mm	125	250-298-J1
10 x 11 mm	140	250-310-J1
12 x 13 mm	160	250-311-J1
16 x 17 mm	200	250-312-J1
17 x 19 mm	225	250-313-J1
20 x 22 mm	240	250-314-J1
24 x 27 mm	270	250-315-J1
30 x 32 mm	300	250-316-J1



12 piece open end spanner set, spark-free

- Wrench widths: 6x7/8x9/10x11/12x13/14x15/16x17/18x19/20x22/21x23/24x27/25x28/30x32 mm

Wrench width	Order number
6-32 mm	250-296-J1



Combi pliers, in CuBe, spark-free

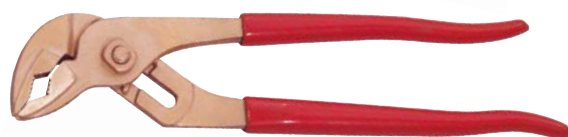
- Tools in copper beryllium (CuBe) are non-magnetic.

Length [mm]	Order number
200	250-374-J1



Pipe wrench, in CuBe, spark-free

Jaw width	Length [mm]	Order number
max. 30 mm	250	250-376-J1



Square pipe wrench, in CuBe, spark-free

Jaw width	Length [mm]	Order number
max. 1.1/2"	430	250-368-J1
max. 2"	540	250-369-J1



■ Approved for Ex-zones 1, 21

- The tools are highly corrosion-resistant, even to saltwater.

Our complete range of spark-free tooling for Ex zones can be found in our Online Shop, additional models and sizes are available on request!

denios.shop/spark-free-tools



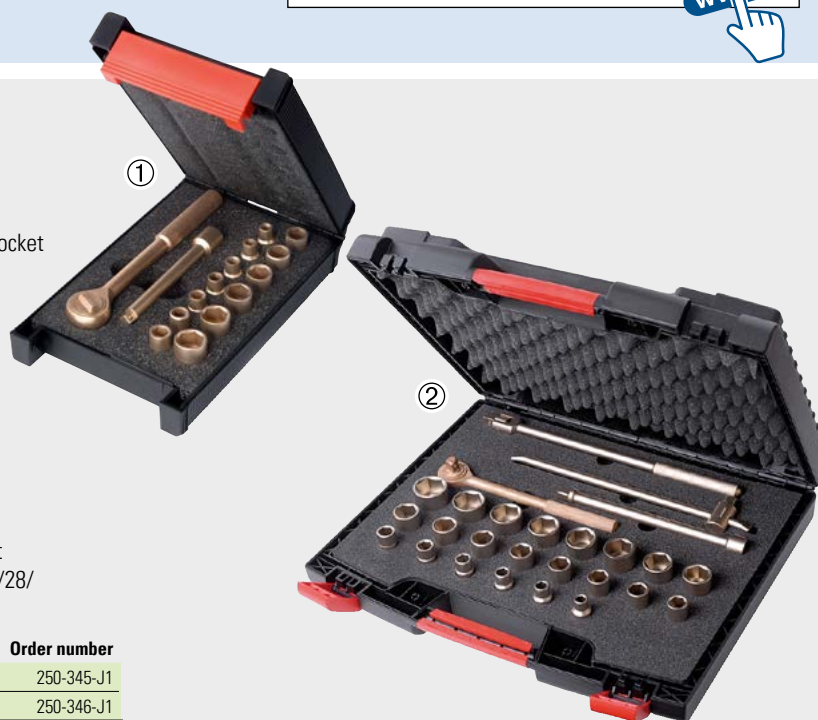
Ratchet set 1/4", in CuBe, spark-free ①

- 16 part set with:
Plastic box with foam inlay, 1x ratchet, extension 100 mm, socket wrench set 4/4.5/5/5.5/6/7/8/9/10/11/12/13/14 mm
- Tools in copper beryllium (CuBe) are non-magnetic.

Ratchet set 1/2", in special bronze, spark-free ②

- 27 part set with:
Plastic box with foam inlay, 1x ratchet, extension 250 mm, crossbar 320 mm, jointed handle 380 mm, socket wrench set 10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/32 mm

Model	Wrench width	Order number
Ratchet set 1/4"	4-14 mm	250-345-J1
Ratchet set 1/2"	10-32 mm	250-346-J1



Workshop screwdriver, spark-free

- Slot and Phillips screwdriver in copper beryllium in various sizes



Blade	Length [mm]	Order number Slot screwdriver
4.5 mm	100	250-357-J1
6 mm	150	250-358-J1
8 mm	150	250-359-J1
10 mm	200	250-360-J1



Size	Length [mm]	Order number Phillips screwdriver
PH1	80	250-361-J1
PH2	100	250-362-J1
PH3	150	250-363-J1

Engineer's hammer in special bronze, spark-free

- Similar to DIN 1041
- With hickory shaft

Sledgehammer in special bronze, spark-free

- Similar to DIN 1042
- With hickory shaft

Model	Weight [g]	Order number
Engineer's hammer	500	250-379-J1
	1000	250-380-J1
Sledgehammer	3000	250-381-J1
	5000	250-382-J1



A

Absorbent cushions.....	377-398
Absorbent materials.....	116, 368-418
Absorbent Mats.....	372-400
Absorbent rolls.....	372-400, 412
Absorbents.....	368-400, 412
Absorbent socks.....	377-386
Absorption mats.....	372-400
Acid / alkali cabinets.....	126-132, 420
Acid absorbents.....	396, 418
Acid cabinets.....	126-132, 420
Acid pumps.....	296-302, 503
Adabsorbents.....	116, 368-418
Adapter.....	294-302, 330
ADR sets.....	116, 370, 402-414
Adsorbent cushions.....	377-398
Adsorbent socks.....	377-398
Alkalis cabinets.....	126-132, 420
Alu transport trolleys.....	522
Anti-fatigue flooring.....	474-492
Anti-fatigue Mats.....	484
Anti-slip Mats.....	474-492
Anti-slip Mats linings.....	494, 520, 572
Anti-slip tape.....	520, 572
Anti-static matting.....	492
Anti-static sets.....	294, 322, 456
Anti-static Storage Containers.....	440-456
ASBESTOS vacuum.....	515
Assembly lifting table.....	534-535
Assembly service.....	164-172
Assembly trolley.....	524-526
ATEX compressed air mixers.....	314-315
ATEX container pumps.....	304-310
ATEX drum heaters.....	318-319
ATEX drum lifters.....	360-362



ATEX drum pumps.....	304-310
ATEX earthing cable.....	322-325
ATEX gearing mixers.....	314-315
ATEX heating jackets.....	318-319
ATEX mixers.....	314-315
ATEX pumps.....	304-310
ATEX spiral earth cable.....	322-325
ATEX vacuum cleaners.....	513-515
Automatic hose reels.....	326
Automatic tilter.....	540-541

B

Ball valves.....	295
Barriers.....	558

Base cabinets.....	174-175
Base frames.....	448
BASIC spill pallets.....	6-50, 98-104, 420
Battery pumps.....	302
Battery recycling containers.....	466
Bench Cans.....	504
Bench scales.....	576
Big Bag dispensing frame.....	553
Big Bag lifting cross.....	552
Big bags.....	552
Big Bag stacking frame.....	553
Bin bags.....	516
Bio.X.....	496-502
Bio cleaner.....	496-502
Body showers.....	474-480
Brass Tap.....	30, 328
Bridge ramps.....	568
Brush washing tables.....	496-500
Bucket.....	473
Building site container.....	200-201
Bulk goods trolley.....	418
Bunded spill flooring.....	46-48, 80
Bung caps.....	446-456
Bung drums.....	444
Bung hole drums.....	444

C

Cabinet spill kit.....	6, 180-199, 420
Cabinet spill pallets.....	50
Cable bridges.....	568
Cable reels.....	326
Camouflage Mats.....	378
Camouflage matting.....	378
Canister.....	114, 450-456
Canister pumps.....	294-299, 502
Carboy carts.....	202, 345-347, 366
Carboys.....	114, 450-456
Carboy tipper.....	202, 345-347, 366
Centrifugal pumps.....	308
Chair.....	520, 556
Chemical absorbents.....	116, 370, 390-418
Chemical container.....	436
Chemical containers.....	114, 288, 430-473
Chemicals cabinets.....	6, 110-176, 420
Chemical spill pallets.....	6-80, 98-104, 338-346, 420-429
Chemicals pumps.....	294-312, 434, 502
Chemicals stores.....	200-201, 214-256
Chemicals tanks.....	436-438
Chip magnet.....	496, 510
Clamping gripper.....	348-351, 430
Clamping Ring opening tool.....	332
Cleaning cloth container.....	472, 516-519
Cleaning fluids.....	502
Cleaning tables.....	496-500
Cleaning trays.....	497 - 500
Cleaning trolley.....	418
Cleaning without solvents.....	496-502
Cold insulation gloves.....	554
Collapsible pumps.....	429
Collection boxes.....	52, 106, 414, 538-554
Collection container.....	422, 472, 516-519
Collection spill pallets.....	6-80, 98-104, 338-346, 420
Collection tanks.....	434
Collision protection.....	96-104, 558-566

Combi shelving.....	104
Compact tippers.....	540-541
Compact tipping containers.....	536-540
Company posters.....	404-412
Component container.....	200-201
Component lifter.....	532-535
Compressed air drain seal.....	425
Compressed air mixers.....	314-315
Conductive canister.....	450-456
Conductive drums.....	446-452
Conductive shovel.....	418



Conical plugs.....	426
Container Mixers.....	314-315
Container pumps.....	302-312, 434
Containers.....	114, 194-196, 288, 348, 436-473
Containers with taps.....	456-466
Containment inlays.....	50
Containment shelves.....	82-104, 420
Containment Shelving.....	82-91, 420
Containment shelving spill pallets.....	50
Control mirrors.....	570-571
Convex mirrors.....	570-571
CORNER impact protectors.....	560-566
CORNER protection hoop.....	558-564
CORNER ramp.....	46-48
Counterbalance cranes.....	532
Cover.....	446-456
Cover fleece.....	380
Covers.....	16-42
Crane scale.....	576
Cross joiner.....	46-48

D

Dangerous substances depots.....	184-199, 420
Delivery gauge.....	302-312, 434
DENSORB absorbents.....	116, 368-418
Detergents.....	496-502
Diesel pumps.....	194-196, 300-312, 348-349, 434
Diesel tanks.....	434
DIN cabinets.....	6, 134-158, 174-176
DIP and wash tanks.....	454, 504-508
DIP baskets.....	504
Dipsticks.....	330-338, 444

DIP tank container.....	504
Dip Tanks.....	498-504
Dirt trapper Mats.....	494
Discharge cables.....	322-325
Dispensing accessories.....	30, 76-78, 194-196, 296, 326-348, 438-462, 502-508
Dispensing cabinets.....	115
Dispensing canisters.....	114, 448-466
Dispensing centres.....	6, 50-78, 346
Dispensing container.....	194-196, 348, 436-466
Dispensing containers.....	194-196, 348, 438
Dispensing funnels.....	460-466
Dispensing jugs.....	458-466
Dispensing platforms.....	16-30, 56-62, 338
Dispensing pumps.....	194-196, 294-312, 348-349, 434, 502
Dispensing shelves.....	92-96
Dispensing spill pallets.....	6, 30-31, 50-78, 346, 420
Dispensing taps.....	30, 114, 328-329, 446-466, 502
Dispensing tray.....	30-44, 92-96, 238
Disposable masks.....	474
Disposal containers.....	422, 472, 516-519, 552
Disposal tanks.....	434
Document storage boxes.....	190
Dollies.....	448, 528
Dosing cabinets.....	115
Dosing stations.....	30-31
Double diaphragm pumps.....	303-310
Drain Covers.....	422-425
Drain seals.....	422-426, 458-462
Drain taps.....	30, 328-329, 446-466, 502
Drip Cans.....	504
Drip protection.....	429
Drip tray.....	429
Drip trays.....	50, 436
Drop-down barrier.....	562-564
Dropper bottles.....	454
Drum accessories.....	30, 76-78, 194-196, 296, 326-348, 438-462, 502-508
Drum adapters.....	330
Drum bandages.....	426, 446
Drum Cabinets.....	6, 176-199, 420
Drum Carts.....	346-348, 530
Drum clamps.....	348-351, 430
Drum covers.....	16-42
Drum depots.....	6, 180-199, 420
Drum dispensing shelf.....	6, 72-74
Drum dispensing stations.....	6-31, 50-78, 226-228, 346, 420
Drum Dollies.....	342-348, 430, 444, 530
Drum funnel.....	194-196, 334-338, 434-466, 506-508
Drum funnels.....	194-196, 334-336, 444
Drum Grippers.....	176, 238, 320, 348-359, 430
Drum handling.....	176, 202, 238, 320, 338-366, 430, 444, 530
Drum heaters.....	317-320
Drum lids.....	444-447
Drum Lifters.....	176, 238, 320, 352-362
Drum lifting clamps.....	176, 238, 320, 350-359
Drum lifting equipment.....	176, 238, 320, 348-359, 430, 530

Drum Mixers.....	314-315
Drum openers.....	326-333, 502
Drum pallets.....	6-30, 56-70
Drum pallet trucks.....	320, 348-359, 530
Drum Pumps.....	194-196, 294-312, 348-349, 434, 502
Drum racks.....	92-106
Drums.....	438-453
Drum safety valves.....	30, 330
Drum spill pallets.....	6-33, 46-80, 98-101, 338-346, 420
Drum store. Hazmat store.....	230-236
Drum supports.....	16-30, 56-62
Drum Taps 30, 114, 328-329, 458-462, 502	
Drum Tongs.....	348-351, 430
Drum transport.....	176, 202, 238, 320, 338-366, 430, 444, 530
Drum transportation lifters ..	320, 344-359, 530
Drum trolleys.....	346-348, 530
Drum turners.....	354
Drum valves.....	30, 330
Drum warmers.....	317-320
Drum wrench.....	326-333, 502

E

Earthing cable.....	294-304, 322-325, 456
Earthing clamps.....	294, 322-325, 456
Earthing equipment.....	294, 322-325, 456
Edge protector for floor elements.....	46-48
Electrical drum pumps.....	302-312, 434
Electric Mixers.....	314-315
Electric pumps.....	302-312, 434
Electronic level indicators.....	435
Emergency body showers.....	474-480
Emergency boxes.....	116, 370, 402-414
Emergency Showers.....	474-480
Emergency spill kits.....	116, 370, 402-414
Emergency spill pallets.....	50, 429
EN 14470.....	6, 134-176
EN cabinets.....	6, 134-158, 174-176
Environmental cabinets.....	6, 110-158, 174-175, 420
Equipotential bonding ...	294-304, 322-325, 456
Erection cranes.....	532
ESD canisters.....	451-456
ESD chair.....	556
ESD drums.....	446-452

2 Mobile emergency spill kit in DENSORB Caddy Small

 see page
371


ESD Mats.....	492
ESD shovels.....	418
ESD stool.....	556
ESD taps.....	329
Euro mesh boxes.....	52, 106, 546-547
Euro pallet mesh sides.....	546
Euro stacking containers.....	544
Ex-proof compressed air mixers.....	314-315
Ex-proof earthing cables.....	322-325
Ex-proof geared mixers.....	314-315
Ex-proof heating jackets.....	318-319
Ex-proof mixers.....	314-315
Ex-proof spiral earthing cable.....	322-325
Ex-proof vacuum cleaners.....	513-515
Explosion proof tools.....	332, 578
EX proof drum lifter.....	360-362
EX protected pumps.....	304-305
Extinguishing drum fitting.....	516
Extraction connection for storage tanks....	434
Extra wide necked drums.....	452
Eye showers.....	474-477

F

F 90 fire-rated storage container.....	212
Face shower systems.....	476-478
FALCON.....	458-464, 504-508
FALCON containers.....	458-464, 504-508
FALCON safety containers.....	458-466, 504-508
Filling adapter.....	434
Filling stations.....	313
Filter masks.....	474
Fine dust filter masks.....	474
Fine measuring jugs.....	458-462
Fire-proof cabinets.....	6, 134-176, 212
Fire-rated cabinets.....	6, 134-158, 174-176, 210-212
Fire-rated hazardous material cabinets ..6,	138-166
Fire-resistant cabinets 6, 134-158, 174-176	
Flat lid.....	448
Flooring.....	380
Floor Mats.....	474-494
Floor protection.....	380
Flow meter.....	302-312, 434
Fluid barriers ..	388-392, 422-426, 458-462
Fluid containers.....	194-196, 288, 348, 436-466
Fluid pumps.....	194-196, 294-310, 348-349, 502
Fluid tanks.....	434-438
Fluorescent tube boxes.....	422
Folding door cabinets.....	6, 134-158, 174
Fork lift attachments	176, 238, 350-354, 546-547
Fork lift hook.....	350
Full Face Masks.....	474
Frost free storage.....	214-228, 246-256
Fuel canister.....	448, 460-466
Fuel pumps.....	307-312, 434
Fuel tanks.....	434
Full vision goggles.....	474
Funnel.....	194-196, 334-338, 440-466, 506-508

G

G30 / G90 cabinets.....	210
Galvanised grids.....	14, 65, 96
Gas Cylinder Cabinets.....	202-212
Gas cylinder containers.....	212
Gas cylinder depots.....	202-212
Gas cylinder fire-rated storage.....	212
Gas cylinder locks.....	574-575
Gas cylinder pallet.....	288, 364-367, 528
Gas cylinder pallets.....	288, 364
Gas Cylinder Storage.....	202-212
Gas cylinder trolley.....	364-367, 528
Gearing mixers.....	314-315
General purpose trolley.....	522-526
Goggles.....	474
Gloves.....	554
Granules.....	414-418
Grid load surfaces.....	14, 65, 96
Grid shelves.....	14, 65, 96
Grit bin.....	554
Grit shovel.....	418, 554
Grit spreader.....	414-418
Gritting trolley.....	414-418
Grit trolley.....	414-418
Ground barriers.....	426, 564
Gully stop.....	422-426

H

Handle.....	50
Hand mixers.....	314-315, 436
Hand operated rotary pumps.....	296-310, 349
Hand pumps.....	194-196, 294-310, 348-349, 434, 502
Hanging scales.....	576
Hazardous goods container.....	438-442
Hazardous goods containers.....	438-473
Hazardous goods transport.....	430-473
Hazardous material depots.....	6, 32-33, 180-199, 420
Hazardous material racks.....	82-106, 420
Hazardous materials cabinets..	6, 110-162, 174-199, 420
Hazardous materials canister.....	450-451
Hazardous materials collection.....	422, 472, 516-519
Hazardous materials container.....	438-442
Hazardous materials storage.....	200-201, 214-256
Hazardous materials tanks.....	434
Hazardous materials transport.....	466-473
Hazardous substance canisters ..	448-466
Hazardous substance collection stations ..	472, 516-519
Hazardous substance stations.....	32-33
Heat engineering.....	317-320
Heating belt.....	317-320
Heating jackets.....	317-320
Heating oil tanks.....	434
Heavy duty container.....	436
Heavy duty tipping skip.....	540-541
High lift pallet truck.....	534-535
Hobbocks.....	472
Hose drum.....	326
Hose ramps.....	568
Hose reels.....	326
Humidifiers.....	506-508

I

IBC.....	439-443
IBC container.....	288, 438-442
IBC funnel.....	338, 440
IBC heating jackets.....	317-319
IBC lid openers.....	76-78, 333-338
IBC Mixers.....	314-315
IBC racks.....	102-106, 246-256
IBC spill pallets.....	6, 72-78
IBC stations.....	6, 72-78
IBC storage.....	6, 72-78, 184-186, 226-228, 246-256
IBC sumps.....	6, 34-44, 72-78, 104, 420
Immersion containers.....	504
Impact protection.....	96-104, 558-566
Impact protection hoop.....	562-564
Impact protection rail.....	558

2 SpillGuard® hazardous substance leak warning system

see page
420

Impact protection systems.....	566
Indoor storage. Hazmat store.....	214-228
Induction heating equipment.....	320
Industrial absorbent materials.....	368-378, 396-400, 412
Industrial bucket.....	472
Industrial chair.....	520, 556
Industrial mesh box pallets.....	52, 106, 546-547
Industrial pallets.....	180
Industrial pumps.....	302-313, 434
Industrial safety mirror.....	570-571
Industrial vacuums.....	512-515
Industry cranes.....	532
Inlays for spill pallets.....	50
Inlay spill pallets.....	23, 34-50, 98-104
Inliner.....	23, 34-44, 98-104
Insulated hazmat storage container.....	226-228

J

Joining elements.....	46-48
Joining rails.....	46-48

L

L-ring drums.....	446
Laboratory bucket.....	472
Laboratory cabinets... 6, 110-162, 174-176,	420
Laboratory canisters.....	114, 448-466
Laboratory funnels ..	334, 451-466, 506-508

Laboratory jugs.....	458-466
Laboratory pumps.....	302-312, 434
Laboratory spill pallets.....	6-15, 50-54, 338-346, 420
Large wheelie bins.....	516
Leakage barriers.....	422-430, 446, 458-462
Leakage catchers.....	426-429
Leakage kits.....	116, 370, 402-414
Leakage management.....	20-38, 58-86, 104-110, 124-126, 186-192, 224-232, 420-429, 446, 458-462
Leakage Mats.....	422-424
Leakage spill pallets.....	50, 428-429
Leakage systems.....	426
Leak detection.....	20, 38, 58-86, 104-110, 124-126, 186-192, 224-232, 420
Leak detector.....	20, 38, 58-86, 104-110, 124-126, 186-192, 224-232, 420
Leak indicator.....	20, 38, 58-86, 104-110, 124-126, 186-192, 224-232, 420
Leak monitoring.....	20, 38, 58-86, 104-110, 124-126, 186-192, 224-232, 420
Leak sensor.....	20, 38, 58-86, 104-110, 124-126, 186-192, 224-232, 420
Level indicator.....	330-338, 434-444
Lever pumps.....	194-196, 294-310, 348-349, 502
Lid.....	444-448
Lidded drums.....	444-453
Lifter.....	320, 356-359
Lifting and transporting drums.....	176, 202, 238, 320, 338-366, 430, 444, 530
Lifting cross.....	552
Lifting equipment.....	176, 202, 238, 320, 338-366
Lifting equipment service.....	164-172
Lifting trolley.....	530
Lift tables.....	532-535
Lightweight cranes.....	532
Liquid barriers.....	422-429, 446, 458-462
Liquid gas cylinder cabinets.....	202-212
Lockable drum funnels.....	194-196, 336
Lockable funnels.....	194-196, 334-336
Locking systems.....	575
Logistics trolley.....	526-528

M

Magnetic broom.....	496, 510
Magnetic collector.....	496, 510
Manual push mixer.....	436
Masks.....	474
Materials stand.....	532
Mats.....	380
Measuring canisters.....	114, 456
Measuring jugs.....	194-196, 348, 438, 464
Measuring taps.....	30, 114, 328-329, 446-466, 502
Membrane pumps.....	303-310
Mesh box cross bars.....	547
Mesh boxes.....	52, 106, 338, 546-547
Mesh box handling.....	546-547
Mesh box lids.....	52, 106, 546-547
Mesh box pallet inserts.....	547
Mesh box sumps.....	52, 338
Mesh box transport.....	546-547
Mesh box turning device.....	546

Mesh frames.....	546
Metal chip collector.....	496, 510
Metal collector.....	496, 510
Metal detector.....	496, 510
Metal spill pallet.....	6
Metal spill pallets.....	6
Mineral oil pumps.....	194-196, 300-312, 348-349, 434
Mirrors.....	570-571
Mixer.....	314-315



Mixer and container pumps.....	304
Mixers.....	304-315, 436
Mobile leak spill pallets.....	28, 50, 346
Mobile material stands.....	532
Mobile spill pallets.....	16, 28, 50-56, 346, 420
Mobile tanks.....	434
Mobile waste containers.....	516
Mobile workbenches.....	524-526
Multi-purpose absorbent.....	414-418
Multi-purpose boxes.....	554
Multi-purpose polyethylene tipping skips.....	538
Multi-purpose trolleys.....	526-528

N

Narrow necked bottles.....	454
Non-woven rolls.....	380
Notices.....	404-412

O

Observation mirror.....	570-571
Office trolleys.....	526
Oil absorbent materials.....	382-388, 400, 412
Oil absorbents.....	372-400, 412-418
Oil absorbent socks.....	386
Oil barriers.....	388-392
Oil Cabinets.....	110-134, 420
Oil cans.....	194-196, 348, 438, 464
Oil containers.....	194-196, 348, 438, 464
Oil cushions.....	386
Oil delivery stations.....	313
Oil dice.....	392
Oil drum pumps.....	194-196, 300-310, 348-349
Oil pumps.....	313
Oil skimmers.....	392, 514
Oil spill pallets.....	6-80, 98-104, 338-346, 420
Oil storage cans.....	194-196, 348, 438, 464

Oil stores.....	200-201, 214-256
Oil Tanks.....	434
Oil tape skimmers.....	514
Oil traps.....	514
Open fronted storage bins.....	520, 548-550
Outdoor matting.....	388
Outdoor Storage.....	200-201, 214-256
Outdoor storage. Hazmat store.....	214-228
Overfill indicators.....	330-338, 444

P

Package trolleys.....	526-528
Palettes.....	180
Pallet frame.....	546
Pallet Racking.....	546
Pallet spill pallets.....	6, 50-78, 98-101, 338-346, 420
Pallet storage.....	546
Pallet truck.....	530
Pallet truck with scale.....	530
Panoramic traffic mirror.....	570-571
Particle filter masks.....	474
Parts baskets for cleaner tanks.....	504
Parts baskets for DIP tanks.....	504
Parts cleaner.....	496-504
Parts cleaner tanks.....	504
Parts cleaner units.....	496-515
Parts Cleaning.....	504-505
Parts cleaning equipment.....	504
Parts Washers.....	504
PE bottles.....	454
PE canisters.....	114, 450-456
PE dispensing jugs.....	194-196, 348, 438, 462-464
PE dispensing stations.....	6, 50-78, 346, 420
PE drip trays.....	6, 50-70, 420
PE drum pallets.....	6-30, 56-70, 420
PE drums.....	438-453
PE floor spill pallets for shelving.....	50, 98-101
PE funnels.....	194-196, 334-338, 440, 460-466
PE grids.....	14, 65, 96
PE inlay spill pallets.....	23, 34-50, 98-104
PE lidded drums.....	438-453
PE lids.....	444-448
PE multi-purpose containers.....	436, 448-456, 538
PE pallets.....	6, 56-70, 420
PE rack floor spill pallets.....	50
Perforated metal sheet as covers.....	14
Perforated plate inserts.....	14
Perforated plate shelves.....	14
Personal protective equipment.....	474, 554
Personnel barriers.....	562-564
PE sacks.....	516
PE safety containers.....	436, 462-464, 508
PE safety jugs.....	462-464, 508
PE safety spill pallets.....	6, 50-78, 98-101, 338-346, 420, 436
PE shelving spill pallets.....	6, 50-54, 98
PE spillage decking elements.....	80
PE spill pallet grids.....	14, 65, 96
PE spill pallet inserts.....	50
PE spill pallets.....	6, 50-78, 98-101, 338-346, 420
PE spill trays for shelving.....	50, 98-101

PE stackable containers.....	542
Pesticide cabinets.....	138
PE system shelving spill pallets.....	50
PE tanks.....	436
PE tipping skips.....	536
Petrol canister.....	448, 460-466
Petrol pumps.....	300-305
PE waste sacks.....	516
Piston pumps.....	296-299, 502
Plastic bottles.....	454
Plastic buckets.....	472
Plastic Cabinets.....	126-128, 420
Plastic canisters.....	114, 450-456
Plastic containers.....	436-454
Plastic drum dollies.....	344
Plastic drum dollies PE drum dollies.....	344
Plastic Drums.....	436-453
Plastic floor elements.....	80
Plastic funnel.....	336-338, 440
Plastic impact protection.....	560
Plastic jugs.....	194-196, 348, 438, 464
Plastic lids.....	444-446
Plastic sacks.....	516
Plastic spill pallet inserts.....	50
Plastic spill pallets.....	6, 50-78, 98-101, 338-346, 420
Plastic square containers.....	436, 472-473
Plastic stacking containers.....	542
Plastic tanks.....	436-438
Plastic taps.....	114, 329, 456
Plastic tipping containers.....	536-539
Plastic tipping skips.....	536-539
Plastic trolleys.....	418
Platforms.....	436
Platform trolley.....	524-528
Platform trolleys.....	576
Plunger Cans.....	504-508
Plunger cans.....	506-508
Plunger cans in PE.....	508
Plunger cans in stainless steel.....	506



Plunger cans in steel.....	506
Pneumatic pumps.....	303-310
Poison cabinets.....	6, 110-158, 174-176, 420
PolySafe depots.....	6, 180-186
PolySafe systems.....	338
Ppe.....	474, 554
Precision balances.....	520, 576
Pressure pump vaporiser.....	508
Pressurised gas cylinder cabinets.....	202-212
Protection masks.....	474
Protection profiles.....	560-566
Protective bank.....	422-426, 458-462

Protective gloves554
 Protective hoods..... 16-42
 Protective spill pallets..... 6-80, 98-104,
 338-346, 420
 PSM cabinets..... 6, 134-158, 174-175
 Pump action spray bottle 506-508
 Pumps..... 302-312, 434
 Pumps for emptying residues..... 304-310
 Puro-X cleaning fluids496
 Push trolley.....526

R

Racking canister.....456
 Rainwater protection429
 Ramps.....568
 Recirculating air filter sets..... 165-176
 Refuelling.....434
 REI 120 fire-rated storage container.....212
 Repair service..... 164-172
 Respirator masks.....474
 Reusable container436, 456
 Reusable masks474
 Ribbed drums444

**4 Anti-fatigue mats**

see page
482

Road salt bin554
 Road salt trolley.....418
 Roll stands.....400
 Room linings..... 46-48, 80
 Rotary pumps 296-310, 349
 Round container..... 436-438
 Round drums 444-453
 Rubber Mats..... 474-492

S

Sack truck.....522
 Safe pallets..... 6-44, 104, 338, 420
 Safety boards..... 404-412
 Safety Cabinets.. 6, 134-158, 174-199, 420
 Safety canister 114, 450-456
 Safety canisters 114, 450-456, 506-508
 Safety collection containers516
 Safety containers... 436, 448-472, 504-519
 Safety dispensing container 462-466
 Safety drums430, 452
 Safety Goggles.....474
 Safety Gloves.....555
 Safety jars466
 Safety jugs 462-464, 506-508
 Safety Mats..... 474-492
 Safety Mirrors..... 570-571

Safety notices 404-412
 Safety railings558
 Safety runners.....484
 Safety Showers..... 474-480
 Safety spill pallets 6-80, 98-104,
 338-346, 420, 436
 Safety switch locks575
 Safety vacuum cleaner..... 512-515
 Salvage Drums430
 Scales..... 520, 576
 Scissor lifting table 534-535
 Scissor lift table.....535
 Scissor pallet trucks..... 534-535
 Scoops.....418
 Screw cap opener 332-333
 Screw lid opener 332-333
 Sealant Mats..... 422-426
 Sealed caps..... 446-456
 Sealing bank..... 422-426, 458-462
 Sealing barriers 388-392, 426
 Sealing cushion..... 424-425
 Separation barriers 388-392, 422-426,
 458-462
 Service . Customer Service..... 164-172
 Shaving disposal.....496, 510
 Shavings collector.....496, 510
 Shelving..... 82-106, 420
 Shelving bins.....548
 Shelving impact protection..... 96-104,
 560-564
 Shelving spill trays..... 50, 98-101
 Shovels.....418
 Skimmer514
 Small container cabinets 6, 110-158,
 174-175, 420
 Small container shelving..... 82-95, 420
 Small container spill pallets 6-15, 28,
 50-54, 420
 Small container spill trays 6-15, 28, 50-54,
 338-346, 420
 Small parts cleaner 496-504
 Snow shovel.....555
 Solids container516
 Solvent pumps..... 294-304, 502
 Spacer for bunded spill flooring..... 46-48
 Space saving canister456
 Space saving tanks 436-438
 Spare parts service 164-172
 Spark-free tools.....332, 578
 Special absorbent materials418
 Special absorbent Mats..... 394-400, 412
 Speed ramps568
 Spillage decking..... 46-50, 70-80
 Spillage decking for racks..... 50, 98-101
 Spill blocker..... 422-429, 446, 458-462
 SpillGuard®..... 20, 38, 58-86, 104-110,
 124-126, 186-192, 224-232, 420
 Spill Kits..... 116, 370, 402-414
 Spill pallet container..... 436-438
 Spill pallet inlays.....50
 Spill Pallets 6-80, 98-104, 338-346,
 420, 436
 Spill pallets for shelving .. 6, 50-54, 98-101
 Spill pallets in stainless steel.... 10-15, 26,
 44, 420
 Spill Trays.. 6-54, 70-80, 104, 338-346, 420
 Spiral earth lead..... 322-324

Splashguard 34-42
 Splashguard wall 34-42
 Splashguard walls..... 34-42
 Spouts446-456
 Spray bottle..... 506-508
 Spray bottles.....454
 Spray cans..... 506-508
 Spray protection covers426
 Square containers436, 448
 Stackable frames546
 Stackable shelving 92-95
 Stackable stainless steel containers....466
 Stacking depots..... 32-33
 Stacking frames553
 Stainless steel cabinets..... 124
 Stainless steel canisters..... 460-466
 Stainless steel containers..... 438-444,
 458-466, 504
 Stainless steel drums.....444
 Stainless steel funnel460-466
 Stainless steel jugs.....458-466
 Stainless steel laboratory canisters460-466
 Stainless steel laboratory jugs458-466
 Stainless steel nozzle container466
 Stainless steel pallet truck530
 Stainless steel plunger cans.....506
 Stainless steel safety containers 458-466,
506
 Stainless steel shelving.....88
 Stainless steel spillage decking 10-15, 420
 Stainless steel spill pallets.. 10-15, 26, 44,
420
 Stainless steel spray cans506
 Stainless steel sumps.....26, 44
 Stainless steel taps..... 328, 458-462
 Stainless steel transport containers....444,
460-466
 Stair-climbing trolley.....522
 Steel cylinder trolley 364-367, 528

5 Solvent free part cleaning

from page
498



Steel drum dollies 342-344, 430, 444
 Steel drums444
 Steel funnel..... 334-336, 458-466, 506
 Steel pipe trolleys522
 Steel plunger cans506
 Steel safety container..... 448-462

Steel safety containers.. 448-462, 504-506
 Steel spill pallets 6-44, 98-104, 420
 Steel sumps..... 6-44, 98-104, 420
 Steps434
 Stool520, 556
 Storage and cleaning trolley.....418
 Storage and waste tanks434
 Storage Cabinets 6, 110-158, 174-176, 420
 Storage Containers 230-256
 Storage pallets180
 Storage platforms466
 Storage racks 92-95
 Storage rooms..... 200-201, 214-256
 Storage shelves..... 82-106, 420
 Storage Tanks.....434
 Sumps..... 6-80, 98-104, 338-346, 420
 Supply tanks.....434
 Supports446-456
 Surface protection systems 46-48, 80,
560-566
 Swivel chair.....520, 556
 Swivel stool.....520, 556
 Synthetic pallets78, 180
 System parts cleaners.....496-500
 System shelving spill pallets50

T

T-code drums430
 Tank accessories 114, 448
 Tanks434-438
 Taps 30, 114, 328-329, 448-466, 502
 Thread adapters 294-302, 330
 Tiered trolley 526-528
 Tipping skip536-541
 Tipping skip for shavings.....540-541
 Tipping skips for shavings.....540-541
 Tools, spark-free.....332, 578
 Traffic barriers568
 Traffic mirror570-571
 Transport bottles454
 Transport boxes.....472-473
 Transport canister448-466
 Transport container52, 106, 414,
430-473, 538-554
 Transport equipment 522-528
 Transport frame.....448
 Transport jugs. 194-196, 348, 438, 458-466
 Transport roller528
 Transport spill pallets..... 6-16, 28, 50, 338
 Transport trolley 418, 522-528
 Transport trolleys 346-348, 522-530
 TRG cabinets212
 Trolley418, 528
 Trolley for boxes.....522
 Turning devices 202, 338-366

U

Ufa..... 165-176
 Ultra-clean.....296
 UN containers 438-473
 Universal absorbent materials.....116, 368-418
 Universal absorbents374
 Universal trolley..... 522-526

Universal trolleys 526-528
 Unloading service..... 164-172
 Urea containers.....456
 Used battery container..... 542-544
 Used oil tanks.....434
 Used Oil Tanks.....434

V

VA cabinets 124
 Vacuum cleaner.....514
 Valve locks 574-575
 VA shelving88
 VA spill pallets26, 44
 VA taps..... 328, 458-462
 VbF cabinets.....176
 Ventilation cabinets166

Vertical cabinet 160-163
 Volume preselection 302-310, 434

W

Walk-in hazmat store..... 200-201, 214-224,
 246-256
 Warning profiles..... 560-566
 Washstands 496-500
 Waste bag.....516
 Waste bins 472, 516-519
 Waste buckets 516
 Waste collectors 472, 516-519
 Waste oil drain pans.....50
 Waste sacks.....516
 Waste trolley.....418
 Water buckets.....472

Water protection pallets..... 6-80, 98-104,
 338-346, 420
 Water protection spill pallets 6-80,
 98-104, 338-346, 420
 Wet vacuum cleaner 512-515
 Wide-angled mirror..... 570-571
 Wide necked bottles 454
 Wide necked drums 452-453
 Winter products 414, 554
 Work chair.....520, 556
 Work gloves 554
 Work place Mats..... 474-492
 Workshop chair.....520, 556
 Workshop crane 532
 Workshop stool.....520, 556
 Workshop trolleys 524-528
 Work stool.....520, 556

6

**DENIOS classic-line
 transport equipment**

from page
523



**Focus on
 Customer needs.
 We take care of your
 safety and health.**

**10 good reasons
 to choose DENIOS**

1

Free expert advice.

2

Buying online? Do it safely!

3

**Our products are high quality, long lasting and
 safe to use.**

4

Order risk-free.

5

Free delivery to the door.

6

Buy direct from the specialists.

7

We're at your side.

8

We'll provide you with product support.

9

Quality prevails.

10

We'll ensure you're always up to speed.

Enjoy great service in our online shop too! Have a quick look at: **www.denios.co.uk**





Terms and Conditions – valid for all orders of goods and services from our catalogues, brochures, telephone orders and the web shop.

ACCEPTANCE

Orders accepted by the seller shall be subject to these conditions of sale. No other conditions shall apply unless agreed in writing by the seller.

ORDER CANCELLATION

A cancellation fee will be applicable for all goods manufactured to order. The charge will be determined at an appropriate rate to recover costs incurred by the seller. For items not manufactured to order, a 25% restocking charge will be applicable at the discretion of the seller.

PRICES

All prices quoted in the validity catalogue are exclusive of VAT. We endeavour to maintain prices for the life of the catalogue or if additional fees or duties or tariffs of any kind, especially related to any post-BREXIT agreement, become valid. Accessories and decoration in the photographs are excluded from the price of the products. All orders are acknowledged quoting the current price.

CARRIAGE

All prices include delivery on a standard 3-day carrier or flat-bed vehicle to area A. Areas B, C, D and E will be subject to carriage surcharges, prices on application. Carriage does not include for off-load. For large products, HIAB delivery and off-load is also available at an additional charge.

DELIVERY TIMES

Any dispatch estimated delivery times quoted by us are given in good faith. We will not be liable for any failure to meet such estimates. We reserve the right to make partial deliveries.

TRANSFER OF TITLE

Whilst transfer of risk shall pass on delivery, legal and beneficial ownership of goods will remain the property of the seller until such time as payment has been received in full.

TERMS OF PAYMENT

Unless otherwise stated by the seller Terms of Payment shall be 30 days from the date of invoice. Large order values may require a down payment before goods can be dispatched.

RETURN OF GOODS (WITHOUT ANY CONFIRMATION BY THE SELLER)

The return of goods will not be accepted in any circumstances without written prior agreement by the seller. Returned items will be subject to any Inspection, Handling Carriage or Repacking charge as applicable.

CLAIMS

Should the buyer not receive the correct quantity, or if goods are received in a damaged condition, then the buyer should mark the delivery document as appropriate. The seller should then be notified immediately in writing, as claims will not be accepted beyond three days from receipt of goods.

TECHNICAL CHANGES

All data, photographs and illustrations are correct at time of print. The supplier reserves the right to change any data in accordance with current custom, practice and manufacturing procedures, without notification to the customer.

APPLICABLE LAW

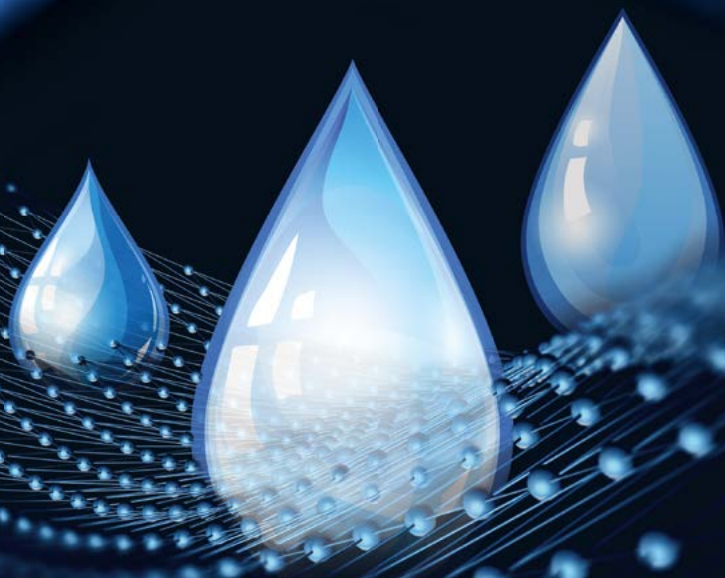
This contract is subject to the law of England and Wales. Reproduction in whole or in part, of this catalogue is not permitted without written permission from DENIOS Ltd.

PLEASE NOTE!

- For prices and to place orders pls visit our onlineshop: <https://www.denios.co.uk>
- Minimum Order Value £200, net (VAT not included)
- For order less than £200, net we must charge £33 handling fee

DENSORB[®]

With Advanced Capillarity Technology



16
times

Absorption
capacity

388
Products

for you to
choose from

Over
500

emergency leak
training sessions
carried out

www.densorb.com

FALCON

DISPENSING LIQUIDS



WORK MORE SAFELY AND ECONOMICALLY
WITH HAZARDOUS LIQUIDS.

WWW.DENIOS.CO.UK/FALCON



Innovative use of combined heat and power technology when printing this product reduced CO₂ emissions by up to 52% in comparison to conventional methods in Germany.

NOW THERE'S EVEN MORE FOR YOU ONLINE.

There are many benefits to shopping in the DENIOS online shop. On the one hand there's the large selection of products to choose from - we offer the largest range in the field of environmental protection. Then there's DENIOS quality - you're buying direct from the manufacturer.

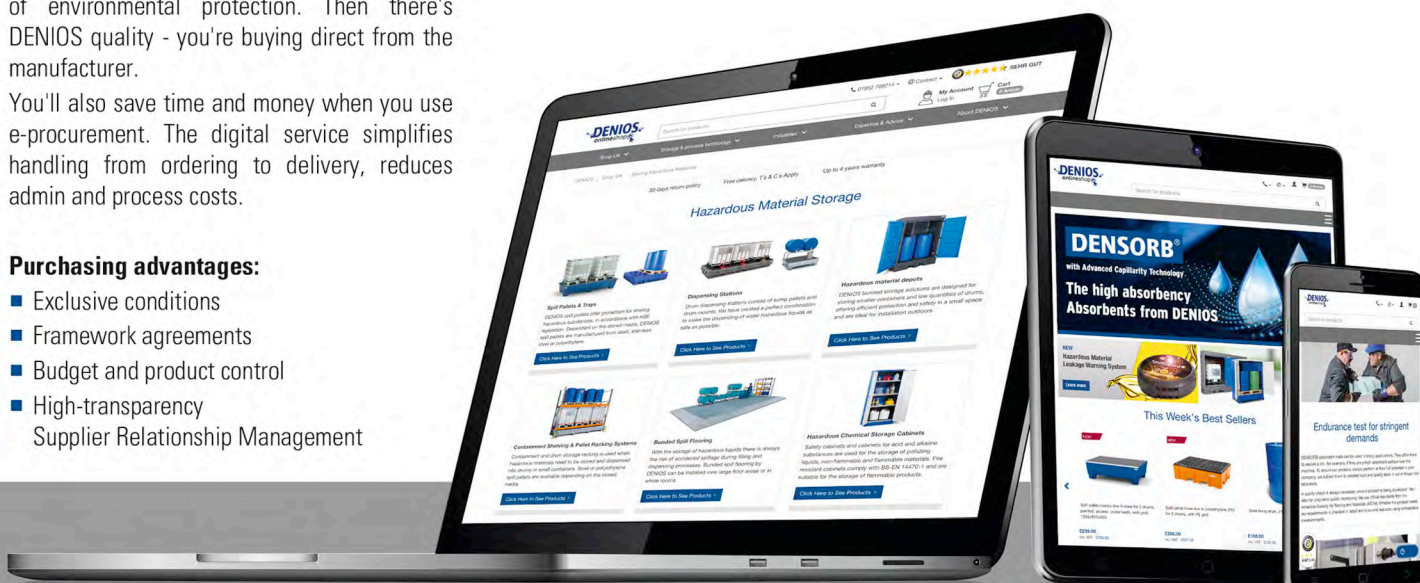
You'll also save time and money when you use e-procurement. The digital service simplifies handling from ordering to delivery, reduces admin and process costs.

Purchasing advantages:

- Exclusive conditions
- Framework agreements
- Budget and product control
- High-transparency
- Supplier Relationship Management

Feel free to contact us; our e-procurement specialists will be happy to advise you.

Find out more at www.denios.co.uk/e-procurement



DENIOS Ltd.
Nova House Suite 1
Audley Ave Enterprise Park
Newport
Shropshire
TF10 7DW

Sales Order +44 1952 811991
E-mail info@denios.co.uk

DENIOS International
www.denios.co.uk/contact

Has the catalogue been sent to the wrong address? Call us free on: 0800 753-000-4. Or maybe you don't need it? Please don't just throw it away. Pass it on to a colleague or business partner who might need safety products. Thank you.