

Collection trays

Spill trays



GRP



PE



steel



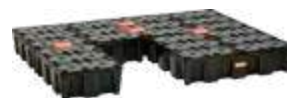
Spill pallets / sumps for drums



IBC bunds



Workfloors/ground protection systems



HazMat racks and cabinets Bunds on several levels



Collection trays in comparison

Characteristic	GRP	PE	steel
CORROSION RESISTANCE			
Trays must remain impervious to liquids during their entire service life.	No corrosion across entire service life.	No corrosion across entire service life.	Susceptible to corrosion: check regularly.
COMPULSORY CHECKS OF THE TRAY BASE			
The underside of the collection tray and the grating must be visually inspected every two years. The result must be recorded and presented to the responsible water authorities upon request.	No compulsory check, as material does not corrode.	No compulsory check, as material does not corrode.	Susceptible to corrosion: regular checking and recording compulsory.
CLEANING THE INSIDE OF THE TRAY			
The operator must carry out a visual inspection at least once a week to see whether any liquid has leaked out of the containers. Any liquid that has leaked out must be removed immediately.	Smooth inner surfaces make it easy to clean the tray if necessary.	Required reinforcements make cleaning harder.	Smooth inner surfaces enable simple cleaning.
TRAY STRENGTH			
The tray wall thickness must be such that the walls absorb the forces acting upon them. The trays may only be placed on suitable surfaces.	The material structure allows both high strength and low wall thickness.	High wall thicknesses and reinforcements are necessary for strength.	Required minimum wall thickness 3 mm.
TRAY HANDLING			
The handling characteristics depend heavily on the weight of the trays.	Low weight achieved through relatively low material thicknesses.	Higher material thicknesses have a negative effect on the tray weight.	Highest weight results in difficult handling, e.g. when checking the tray base.
TRAY MATERIAL DURABILITY			
The prescribed requirements for the trays remain fully valid across the entire service life.	The material characteristic does not change throughout the entire service life.	Strength is reduced as a result of the natural ageing process.	Corrosion impairs the required impermeability over a longer period.
CEMO recommendation for tray material:	Diesel, fresh and used oils, weak lyes and acids	Lyes and acids	Petrol, highly flammable liquids

Comparison of the suitability of sump/spill pallets made from different materials (confirmed by independent experts) used with various media typical in industrial concerns and workshops

Media stored	Waste oil of known origin (flammable, flash point > 55 °C)	Heating oil and diesel (flammable, flash point > 55 °C)	Petrol, nitro (extremely flammable, highly flammable)*	Lyes up to pH 8	Lyes over pH 8	Acids up to 10 % salt solutions pH 6-8 fixing baths	Acids up to 20 % battery acid 37%
Tray material							
GRP	●	●	–	●	–	●	●
Steel painted or galvanised	●	●	●	●	–	–	–
PE = polyethylene	–	–	–	●	●	●	●
● certified and resistant – not certified / not resistant				If necessary, please enquire about individual resistances.			

* Special storage location requirements are to be observed. (fire protection, explosion protection).

GRP sumps / spill pallets

GRP SUMPS ARE IDEAL FOR THE STORAGE OF ENVIRONMENTALLY HAZARDOUS SUBSTANCES.

GRP is a universally applicable material for the storage of environmentally hazardous substances. The thermosetting plastic base structure in conjunction with the glass fibre

reinforcement provide an advantageous fire performance and high chemical resistance. GRP sumps combine the properties of steel and plastic. Due to their absolute corrosion

resistance, GRP sumps can be placed directly on the ground. The low installation height facilitates easy handling in factories and workshops.



**EXTREMELY FAVOURABLE
PRICE/PERFORMANCE RATIO**



universal application
e.g. waste oil, lyes and acids

absolutely corrosion-resistant
(no welding seams)

low installation height, because no
ground clearances are required
(compare steel sumps/spill pallets)

smooth inner walls
ensure simple cleaning

minimal inspection requirements,
no additional inspection of
sump floor (compared to steel
sump/spill pallets)

Example:
GRP sump 220/2

Our PREMIUM product line GRP



Due to the excellent material properties created by reinforcing the three-dimensionally meshed duroplastic material with glass fibres, GRP has been used for decades to make high-performance products that are expected to have a long service life in tough environments and at the same time ensure high levels of safety.

GRP combines the positive properties of steel and plastic.

GRP sumps PG 9

GRP sumps with general construction inspection certification no. Z-40.12-227

- for the storage of products with high risk of water pollution

Mobile sump/spill pallets from GRP

- hot-dip galvanised grating
- hot-dip galvanised chassis with collision protection
- 2 steering and 2 fixed castors (castors dia. 12.5 cm) as well as a handle for trouble-free steering



Sump/spill pallet 220/2



Sump/spill pallet 220/4



Sump/spill pallet 150 for Euro pallets



Mobile sump/spill pallets



Accessory: loading rails



Accessory: steel foot-frame, galvanised



Accessories see page 150

Sumps type RC PG 9

GRP sumps type RC without certification

- suitable as a collection tray for materials not hazardous to water or for uses for which no certification is required



Sump/spill pallet 220/3-RC

GRP sumps and RC sumps PG 9


							with general construction inspection certification	Type RC, without certification
Description / Type		External dimensions cm (l x w x h)	Collection volume L	Loading capacity kg	Quantity 200 L drums	Weight approx. kg	Order no.	Order no.
	GRP SUMP/SPILL PALLET 65							
	without grating	82 x 41 x 23	65	-	-	4	7086	10380
	with galvanised steel grating	82 x 42 x 24	65	40	-	9.5	7717	10381
	GRP SUMP/SPILL PALLET 150 FOR EURO PALLETS							
	without fixture	120 x 80 x 16.5	150	-	-	9	5113	10382
	with fixing pins	120 x 80 x 20.8	150	-	-	9	5114	10383
	with galvanised steel grating	120 x 80 x 19.0	140	250	-	25	7963	10384
	with fixing pins and galvanised steel grating	120 x 80 x 23.5	140	250	-	25	7970	10385
	GRP SUMP/SPILL PALLET 220/1							
	without grating	85 x 85 x 39	210	-	1	13	7867	10386
	with galvanised steel grating	85 x 85 x 40	210	400	1	27	7868	10387
	complete with GRP grating	85 x 85 x 40	210	400	1	20	7869	10388
	GRP SUMP/SPILL PALLET 220/2							
	without grating	128 x 85 x 27	220	-	1	13	6882	10389
	with galvanised steel grating	128 x 85 x 29	220	800	2	33	6875	10390
	complete with GRP grating	128 x 85 x 29	220	800	2	24	6886	10391
	GRP SUMP/SPILL PALLET 220/3							
	without grating	188 x 85 x 19	220	-	1	18	7085	10392
	with galvanised steel grating	188 x 85 x 20	220	1200	3	46	7083	10393
	complete with GRP grating	188 x 85 x 20	220	1200	3	36	7286	10394
	GRP SUMP/SPILL PALLET 220/4							
	without grating	128 x 128 x 18	220	-	1	18	6884	10395
	with galvanised steel grating	128 x 128 x 21	220	1300	4	46	6876	10396
	complete with GRP grating	128 x 128 x 20	220	1300	4	36	6943	10397

Accessories see page 150



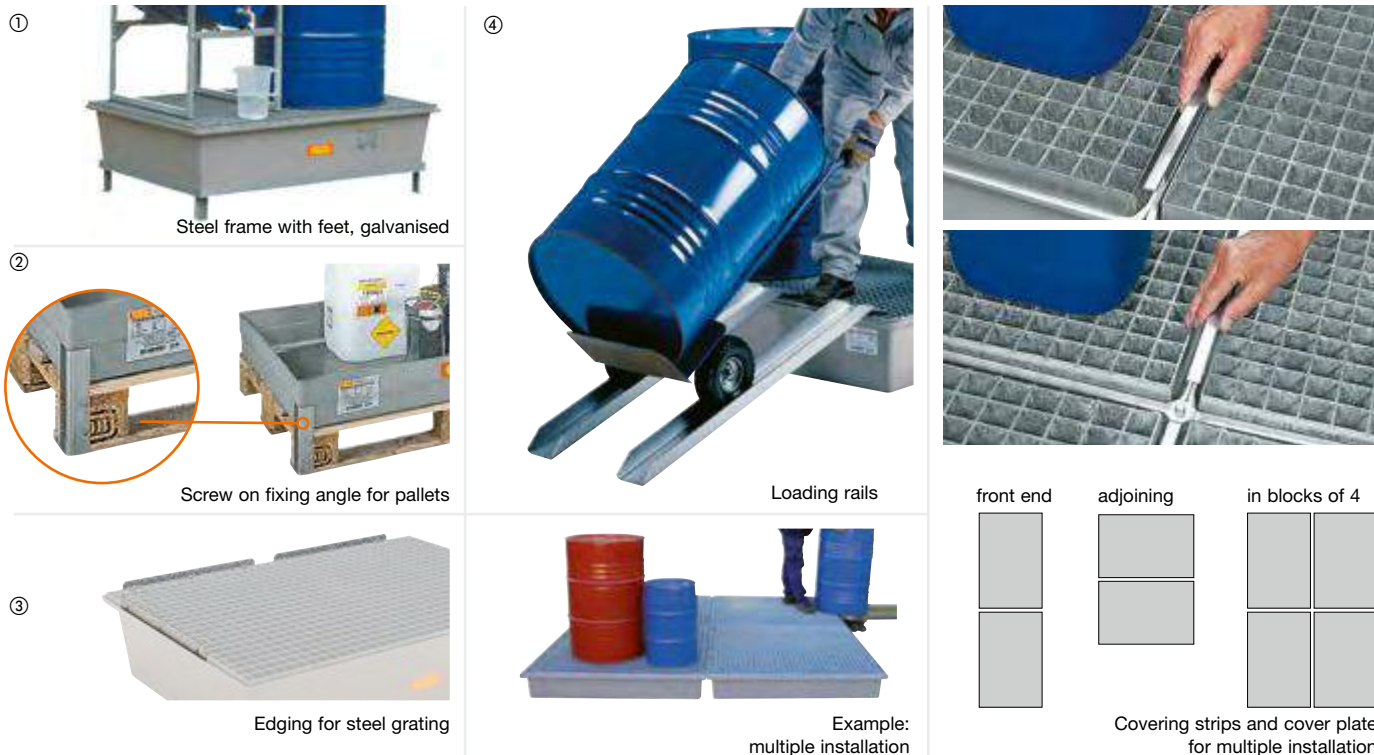
Accessories see page 150

MOBILE SUMP/SPILL PALLETS GRP

Description / Type		External dimensions cm (l x w x h)	Height of loading area	Collection volume L	200 L drum Items	Loading kg	Weight approx. kg	Order no.
	220/1-mobile	109 x 86 x 108	56	210	1	400	50	7870
	220/2-mobile	152 x 86 x 108	44	220	2	800	60	7834



GRP sumps PG 9



ACCESSORIES FOR GRP SUMP/SPILL PALLETS

Description	External dimensions cm (l x w x h)	Weight approx. kg	Order no.
① Steel frame, galvanised (max. drive-under height 96 mm) only for GRP sump/spill pallet 220/2	117 x 78 x 14	15	6889
② Screw on fixing plate for pallets (2 off with screws) only for GRP pallet sump/spill pallet 150		0.5	5112
③ Edging (4-part), galvanised for sideways insertion in the steel grating, to stop storage material such as small containers, etc. from falling off			6990
④ Loading rails, galvanised (2 off), width inside 15 cm			6878

Description		External dimensions cm (l x w x h)	Weight approx. kg Steel / GRP	Galvanised steel Order no.	GRP Order no.
Grating for GRP sump/spill pallet	65	80 x 40 x 3	6 / -	7641	-
	150	118 x 78 x 3	12.5 / -	8121	-
	220/1	83 x 83 x 3	14 / 7	8176	10601
	220/2	125 x 83 x 3	18 / 11	6883	6887
	220/3	185 x 83 x 3	28 / 18	7084	7338
	220/4	125 x 125 x 4	28 / 18	6885	6941

ACCESSORIES FOR MULTIPLE INSTALLATION

Type	Description	Number required			Order no.
		220/2	220/3	220/4	
Front end	Covering strip short	1	1	-	6967
adjoining	Covering strip long	1	-	1	6968
in blocks of 4	Cover plate	1	-	1	6969
	Covering strip short	2	-	-	6967
	Covering strip long	2	-	4	6968

PE sump/spill pallets

PE SUMP/SPILL PALLET WITH AN IDEAL PRICE/PERFORMANCE RATIO

CEMO always offers a suitable solution when it comes to collecting water-polluting substances. Environmentally compatible, proper and safe storage of hazardous materials is important for every company.

Caustic or toxic substances require special care during handling and storage. For purposes of protection and a clean environment, we have developed a range of PE sump/spill pallets which offer great functionality and high resistance against

acids and lyes thanks to the wide choice of options OR various options which ensures an ideal price/performance ratio for you.

- ✓ high chemical resistance
- ✓ great functionality



various options:
with fixing pins,
feet, skids or castors

the tray can be placed directly
on the floor or a Euro pallet

Example: suitable
for Euro pallets



PE small container and rack trays



PE sump/spill pallet 120 x 80 mm
with a collection volume of 220 L



PE filling station
with a collection volume of 450 L

Euro PE sump/spill pallet 250/2 PG 9

Euro PE sump/spill pallet 250/2 with general construction inspection certification no. Z-40.22-420

- manufactured from high quality polyethylene (HDPE)
- high chemical resistance
- collection capacity without grating 250 L, with grating 224 L

- for storing drums up to 224 L
- high functionality
- tray can be positioned directly on the floor or on a Euro-pallet
- versions with locking pins (for Euro-pallets), feet, runners or castors

Euro PE sump/spill pallet 250/2 – RG without certification no.

- manufactured from high quality recycled polyethylene
- suitable as a collection tray for materials not hazardous to water or for uses for which no certification is required

★ Accessories see page 153



With 4 feet and PE grating



Integrated recessed handles for easy lifting



With 2 runners and steel grating



With steering castors



Description / Capacity L	External dimensions cm (l x w x h)	Capacity kg	Quantity 200 L drums	Weight approx. kg	with General Construction Inspection Certification Order no.	without certification 250/2 RG Order no.
EURO PE SUMP/SPILL PALLET 250/2						
without grating	120.5 x 80.5 x 33	600	1	16	8276	8424
with galvanised steel grating	120.5 x 80.5 x 33	600	2	29	8277	8425
EURO PE SUMP/SPILL PALLET 250/2 WITH 4 FEET						
without grating	120.5 x 80.5 x 43	600	1	18	8279	8427
with galvanised steel grating	120.5 x 80.5 x 43	600	2	31	8280	8428
EURO PE SUMP/SPILL PALLET 250/2 WITH 2 RUNNERS						
without grating	120.5 x 80.5 x 43	600	1	20	8282	8430
with galvanised steel grating	120.5 x 80.5 x 43	600	2	33	8283	8431
EURO PE SUMP/SPILL PALLET 250/2 MOBILE WITH STEERING AND FIXED CASTORS*						
without grating, with steel baseframe	129 x 80.5 x 104	400	1	26	8285	8433
with galvanised steel grating	129 x 80.5 x 104	400	2	37	8286	8434

Euro PE sump/spill pallet 250/2 PG 9

Canister rack system

The rack system is designed for the Euro PE sump/spill pallet 250/2 in versions: without feet or runners (8276 + 8277), with feet (8279 + 8280) and with runners (8282 + 8283).

Loading capacity per shelf: 100 kg.



Euro PE sump (8277), canister rack system base unit (8523) and extension unit (8627)



Accessory:
locking pins



Accessory:
sump/spill pallet
attachment

CANISTER RACK SYSTEM FOR EURO PE SUMP/SPILL PALLET 250/2

Description	Overall dimensions * cm (l x w x h)	Heights of shelves in cm from the ground*	Weight approx. kg	Order no.
Canister rack system base unit for Euro PE sump/spill pallet 250/2, consisting of 4 push-on support elements and one steel grating (excludes sump)	120.5 x 80.5 x 81	33 / 81	19	8523
Canister rack system attachment unit for Euro PE sump/spill pallet 250/2, consisting of 4 push-on support elements and one steel grating (excludes sump)	120.5 x 80.5 x 129	129	19	8627

ACCESSORIES

Description	Order no.
Locking pins for fixing the Euro PE sump/spill pallet 250/2 onto a Euro pallet (4 pcs. incl. fittings)	8288
Steel grating, galvanised for PE sump/spill pallet 250/2	8324
Sump/spill pallet attachment (height 20.5 cm)	8358

PE sump/spill pallet 250 HD PG 9

HD = HIGH DENSITY

PE sump/spill pallet 250 HD
with general construction inspection
certification Z-40.22-548

- from polyethylene
- fully recyclable
- can be used with/without perforated plate
- non-slip plate surface
- easy to maintain
- trays can be connected to form a surface protection system, see page 168
- leakage indicator is included free of charge



PE sump/spill pallet 250^{HD},
with PE perforated plate

SUMP/SPILL PALLET 250 HD

Description	Overall dimensions cm (l x w x h)	Loading capacity kg	Collection volume L	Quantity 200 L drums	Weight approx. kg	Order no.
PE sump/spill pallet 250 ^{HD}	160 x 120 x 16.5	-	250	2	10,5	10712
PE sump/spill pallet 250 ^{HD} with PE grating	160 x 120 x 18	1000	250	5	25,7	10713

PE pallet sumps and PE drum bunds

The new generation of CEMO PE pallet sumps and PE drum bunds has arrived. The polyethylene (PE) sumps and bunds are highly resistant to chemicals. Thanks to the different sizes and versions, we have a solution for almost any application.

PE pallet sumps

- Matched to the size of a Euro pallet (120 x 80 cm) or an industrial pallet (120 x 120 cm).
- You can place the transport pallet directly on the bund or use a steel or PE grating as the deck surface.



Video
PE pallet sumps and
PE drum bunds



**PRICE/
PERFORMANCE
WINNER**



Pallet sump 220/2
with wooden pallet

Pallet sumps 425/4
with steel grating



Pallet sump 220/4
with PE grating

PE drum bunds

- Grating dimensions match the size of 200 L drums
- no wasted space



Drum bund 220/3



Drum bund 220/4e

PE pallet sumps PG 9

PE pallet sumps with General Construction Inspection Certification Z-40.22-574 and Z-40.22-579

- made from high-quality polyethylene (PE)
- high chemical resistance
- Sumps can be placed directly on the floor
- with integral forklift pockets
- accessible from four sides (except tray for two 120 x 80 pallets lengthwise)
- ideal for Euro pallets (120 x 80) or industrial pallets (120 x 120), and for plastic pallets of similar sizes
- loaded pallets can be placed directly on the tray using a forklift or high-platform truck
- a steel or PE grating is not required, but can be used if desired



PE pallet sumps – RG, non-certified

- made from high-quality polyethylene regranulate
- suitable as sumps for non-water-hazardous substances or where certified products are not required

							with General Construction Inspection Certification	PE sumps RG non-certified
Description / Type	Overall dimensions cm (l x w x h)	Loading capacity kg	Collection volume L	Quantity pallets	Quantity 200 L drums	Weight approx. kg	Order no.	Order no.
① PE pallet sump 220/2 for 1 pallet 120 x 80								
without grating	123 x 83 x 36	600	220	1	2	13	11257	11484
with steel grating	123 x 83 x 36	600	220	1	2	25.4	11258	11485
with PE grating	123 x 83 x 39	600	220	1	2	21.5	11259	11486
② PE pallet sump 220/4 for 1 pallet 120 x 120								
without grating	123 x 123 x 26	1200	220	1	4	13.5	11260	11487
with steel grating	123 x 123 x 26	1200	220	1	4	43.5	11261	11488
with PE grating	123 x 123 x 29	1200	220	1	4	26	11262	11489
③ PE pallet sump 400/4 for 1 pallet 120 x 120								
without grating	129 x 129 x 48	1200	400	1	4	15.5	11276	-
with steel grating	129 x 129 x 48	1200	400	1	4	45.5	11277	-
with PE grating	129 x 129 x 50	1200	400	1	4	28	11278	-
④ PE pallet sump 425/4e for 2 pallets 120 x 80 lengthwise								
without grating	242 x 88 x 36	1200	425	2	4	17.5	11263	-
with steel grating	242 x 88 x 36	1200	425	2	4	42.3	11264	-
with PE grating	242 x 88 x 39	1200	425	2	4	34.5	11265	-
⑤ PE pallet sump 425/4 for 2 pallets 120 x 80 transverse								
without grating	167 x 127 x 36	1200	425	2	4	17	11266	-
with steel grating	167 x 127 x 36	1200	425	2	4	41.8	11267	-
with PE grating	167 x 127 x 39	1200	425	2	4	34	11268	-

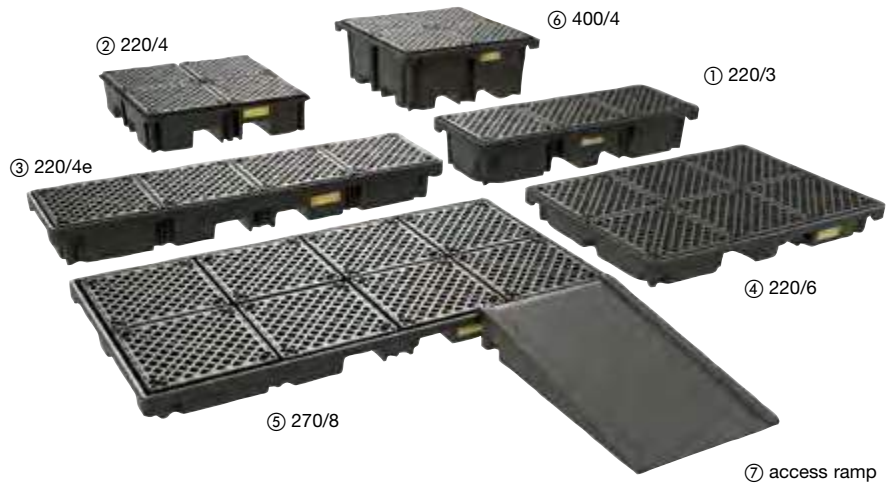
ACCESSORIES FOR PE PALLET SUMPS

Description/Type	Overall dimensions cm (l x w x h)	Loading capacity kg	Weight approx. kg	Order no.
Steel grating for PE pallet sump 220/2, 425/4, 425/4e	120 x 80 x 3	600	12.4	11269
Steel grating for PE pallet sump 220/4, 400/4	120 x 120 x 3	1200	30	11270
PE grating for PE pallet sump 220/2, 425/4, 425/4e	120 x 80 x 6	600	8.5	11271
PE grating 60 x 60 (4 x) for PE pallet sump 220/4, 400/4	120 x 120 x 7	4 x 300	12.5	11281

PE drum bunds PG 9

PE drum bunds with General Construction Inspection Certification Z-40.22-579

- made from high-quality polyethylene (PE)
- high chemical resistance
- bund can be placed directly on the floor
- with integral forklift pockets
- accessible from two sides
- ideally suited for drums
- only one PE grating size for all versions



220/6



220/3



270/8

Description / Type	Overall dimensions cm (l x d x h)	Loading capacity kg	Collection volume L	Quantity PE grating	Quantity 200 L drums	Weight approx. kg	Order no.
① 220/3	186 x 66 x 33	900	215	3	3	23	11272
② 220/4	123 x 123 x 29	1200	220	4	4	26	11262
③ 220/4e	245 x 66 x 26	1200	215	4	4	24.5	11273
④ 220/6	186 x 126 x 20	1800	220	6	6	33	11274
⑤ 270/8	248 x 128 x 18	2400	270	8	8	44	11275
⑥ 400/4	129 x 129 x 50	1200	400	4	4	35.5	11278

ACCESSORIES FOR PE DRUM BUNDS

Description/Type	Overall dimensions cm (l x w x h)	Loading capacity kg	Weight approx. kg	Order no.
⑦ Access ramp for PE drum bunds 220/8	126 x 80 x 20	300	13	11282
PE grating 60 x 60	60 x 60 x 7	300	3.1	11283

Small PE container / laboratory trays ^{HD} PG 9

HD = HIGH DENSITY

Small PE container/laboratory trays with general construction inspection certification Z-40.22-548 and Z-40.22-549

- small container/laboratory trays in polyethylene
- fully recyclable
- can be used with/without perforated grating
- stackable for space-saving storage/transport
- non-slip grating surface
- low maintenance
- designed for Euro-pallets
- trays can be connected to form a surface protection system, see p. 168

PE Container/laboratory trays – RG without certification no.

- manufactured from high quality recycled polyethylene
- suitable as a collection tray for materials not hazardous to water or for when no certification is required



PE sump/spill pallet 25^{HD} with and without PE grating



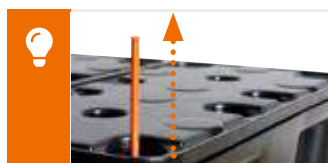
PE sump/spill pallet 30^{HD} with and without PE grating



PE sump/spill pallet 60^{HD} with PE grating



PE sump/spill pallet 120^{HD} with PE grating



A significant plus in safety in the daily handling of hazardous liquids: the visual leakage indicator
If liquid has flowed unnoticed into the drip tray, then the visual leakage indicator free floats and becomes visible.

FREE
visual leakage indicator
for every tray with PE
grating



PE sump/spill pallet 25^{HD} with PE grating as laboratory tray

Description	Overall dimensions cm (l x d x h)	Loading capacity kg	Collection volume L	Weight approx. kg	with General Construction Inspection Certification	without certification PE-trays RG
PE sump/spill pallet...					Order no.	Order no.
... 25 ^{HD}	60 x 40 x 16.5	-	25	1.8	10704	10884
... 25 ^{HD} with PE grating	60 x 40 x 18	125	25	3.7	10705	10885
... 35 ^{HD}	80 x 40 x 16.5	-	35	2.2	10706	10886
... 35 ^{HD} with PE grating	80 x 40 x 18	160	35	4.8	10707	10887
... 60 ^{HD}	80 x 60 x 16.5	-	60	3	10708	10888
... 60 ^{HD} with PE grating	80 x 60 x 18	250	60	6.8	10709	10889
... 120 ^{HD}	120 x 80 x 16.5	-	120	5.2	10710	10890
... 120 ^{HD} with PE grating	120 x 80 x 18	500	120	12.8	10711	10891
... 250 ^{HD}	160 x 120 x 16.5	-	250	10.5	10712	10892
... 250 ^{HD} with PE grating	160 x 120 x 18	1000	250	25.7	10713	10893
Accessory PE grating 60 x 40	60 x 40 x 17	125	-	1.9	10715	10894
Accessory PE grating 40 x 40	40 x 40 x 17	80	-	1.3	10716	10895

CEMO folding tray, PVCs PG 9

- available in 3 sizes, 19 L (4/4), 43 L (6/6) and 76 L (8/8)
- made of PVC with a special surface coating
- protects the environment from unexpected fluid leaks
- suitable for internal and external use
- easy to assemble, ready for use in seconds
- fibreglass rods at the sides ensure stability
- very space-saving when folded
- lightweight
- easy to use even in hard-to-reach areas



CEMO folding trays

Description	External dimensions cm (l x w x h)	Collection volume L	Weight approx. kg	Order no.
CEMO folding tray, PVC 4/4	40 x 40 x 12	19	0.6	12044
CEMO folding tray, PVC 6/6	60 x 60 x 12	43	0.75	12045
CEMO folding tray, PVC 8/8	80 x 80 x 12	76	1.2	12046

Folding tray 8/12 PG 9

This flexible, flat PVC tarpaulin can quickly and easily be turned into a resistant collection tray; it can be used as an emergency tray or as a transport and consignment container that can protect people and the environment against water-polluting liquids.

- multi-function container tray
- flexible collecting tray, extremely adaptable to different spaces
- built-in contents gauge
- space-saving when folded up
- ready for use in seconds
- impervious to liquid
- easy forklift access when empty
- resistant to oils, chemicals and technical fluids
- material: PES, surface-coated with PVC on both sides, blue



Description	External dimensions expanded cm (l x w)	External dimensions tray cm (l x w x h)	Package size cm (l x w x h)	Collection volume L	Weight approx. kg	Order no.
Folding tray 8/12 with carry bag	130 x 170	84 x 124 x 22.5	45 x 70 x 12	210	5.5	10179

Small containers and collection tray PE

PE collection tray 30-mobile PG 9



PE sump/spill pallet
40 L with frame



PE sump/spill pallet 40 L



Suitable for hazardous substance cabinet 13/20...



... drum racks 360, 540 and
hazardous substances racks.



PE collection trays with general construction inspection certification no. Z-40.22-388

PE sump/spill pallet 30-mobile

- chassis galvanised with 2 steering and 2 fixed castors, dia. 100 mm, as well as a pushing handle for trouble-free maneuvering
- for carrying and storage of water-polluting substances such as cleaning agents, pesticides, used oil filters, oil-coated machine components
- PE collection tray can be removed for cleaning

PE sump/spill pallet
30-mobile



Description / Type	External dimensions cm (l x w x h)	Collection volume L	Loading capacity kg	Weight approx. kg	Order no.
PE collection tray 30					
without grating	98 x 60 x 8.5	30	-	4	8076
complete with steel grating	98 x 60 x 8.5	30	50	10	8077
PE collection tray 40					
without grating	130 x 62 x 8	40	-	5	7871
complete with steel grating	130 x 62 x 8	40	50	13	7872
PE collection tray 30-mobile	112 x 63 x 104	30	100	28	8166

ACCESSORIES FOR PE COLLECTION TRAYS AND PE COLLECTION TRAY 30-MOBILE

Description	Weight approx. kg	Order no.
Galvanised steel grating for PE collection trays 30 L	6	8167
Galvanised steel grating for PE collection trays 40 L	8	8168

Canister filling stand PG 9

- facilitates emptying of canisters up to 60 L
- cage secures mounting of canisters
- precise measuring by swivelling of the canister
- made from highly resistant stainless steel – suitable for acids and lyes
- wall mounting possible



Canister filling stand for canisters up to 30 L



Canister filling stand for canisters up to 60 L

Description / Type	External dimensions cm (l x w x h)	max. canister dimensions cm (l x w x h)	Weight approx. kg	Order no.
Canister filling stand for canisters up to 30 L	67 x 39 x 74	31 x 29 x 48	5.4	8007
Canister filling stand for canisters up to 60 L	67 x 47 x 82	42 x 37 x 65	7.5	10100



More rack trays see
page 180.

Steel sump/spill pallets

SPILL PALLETS OFFERING EXCELLENT VALUE FOR MONEY

In the early days of the Environmental Protection Industry, spill pallets/sumps were made of steel. This material offers strength, rigidity and endurance. In the arena of professional manufacturing in a regulated industry, steel sumps emerged as a high-quality, premium sump for

hazardous materials. Before leaving the factory, every sump is tested for being leak-proof.

Companies should only implement products that conform to Water Resources Act standards, and have recognised certification.

All CEMO's steel bunds have the StawaR certification and are allowed to display the Ü mark.

IBC bunds

Designed for the storage of large containers such as KTC/IBC, ASF and ASP containers up to 1,000 litres.

Spill pallets

Our spill pallets come in various sizes and are available with or without hot-dip galvanised, removable grating (required for flammable liquids).

Forklift accessible for assembly and transport

Type SW2
galvanised without
grating



Example application:
Filling from a 60 litre drum.
Spill pallet in combination
with filling stand



Practical tip:

As a rule, CEMO generally recommends using spill pallets with galvanised grating. This provides the clear advantage of a level storage area for ease of loading and unloading. In addition, the full legally required collection volume is not reduced by drums placed directly in the spill pallet and therefore, the spill pallet will not overflow if the drums should leak.



Safety information:

When storing flammable liquids, please note that the German technical regulation TRGS 510 defines special fire protection and explosion prevention requirements applicable above a specific volume. These requirements can be met in practice by maintaining safety distances, earthing equipment and suitable storage spaces such as F90 containers and fire-resistant rooms, for example.



Surface protection system

The modular, matched elements of our surface protection system are also available in steel.



Mobile sump/spill pallet

Two steering and two fixed castors for easy manoeuvring and push handle for trouble-free positioning.



Small spill trays

For containers up to 30 litres. Highly versatile applications, such as decanting liquids on the workbench.



Spill pallet with and without grating



Painted spill pallet GS1a AB1 with filling area and filling stand



Drum rack type 540 with steel bund

Steel sump/spill pallets PG 9

Fireproof storage and safe transport

Steel bunds 3 mm thick ensure safe storage of water-hazardous and flammable substances. The product range offers many

options for a wide variety of applications for small containers, canisters and drums. Sump/spill pallets have 100 mm ground clearance.



for 60 L drums



Type SW65/2 painted without grating



Type SW65/4 painted without grating



Type SW65/2 painted with grating



Type SW65/4 painted with grating

for 200 L drums



Type SW6 painted without grating



Type SW2 galvanised without grating



Type SW1 painted with grating



Type SW2 painted with grating



Type SW3 painted with grating



Type SW4 galvanised with grating



Type SW4e painted with grating



Type SW8 painted with grating



Type SW10 painted with grating

for mobile diesel tank systems



Type SW600/2 painted with grating (example with DT-Mobile Easy 600 L)

Steel sump/spill pallets PG 9

SUMP/SPILL PALLETES FOR 60 L DRUMS

SUMP/SPILL PALLETES FOR 60 L DRUMS						Painted model	Galvanised model
Description / Type	External dimensions cm (l x w x h)	Collection volume L	Capacity / no. of 60 L drums on grating	Loading capacity kg	Weight approx. kg	Order no.	Order no.
WITHOUT GRATING							
Type SW65/2 o. GR	82 x 41 x 32	65	one 60 L drum and small container	200	23	11473	11474
Type SW65/4 o. GR	80 x 80 x 23	65		400	27	11475	11476
WITH GRATING							
Type SW65/2	82 x 42 x 33	65	2 x 60 L drum	200	29,5	11477	11478
Type SW65/4	80 x 81 x 25	65	4 x 60 L drum	400	37	11479	11480

SUMP/SPILL PALLETES FOR 200 L DRUMS

SUMP/SPILL PALLETS FOR 200 L DRUMS			Capacity / no. of 200 L drums on grating	Loading capacity kg	Weight approx. kg	Painted model	Galvanised model
Description / Type	External dimensions cm (l x w x h)	Collection volume L				Order no.	Order no.
WITHOUT GRATING							
Type SW1 o. GR	80 x 80 x 44	200	one 200 L drum and small container	400	46	8529	8530
Type SW2 o. GR	120 x 80 x 36	220		800	50	7582	7680
Type SW3 o. GR	180 x 80 x 28	205		1200	61	10138	10139
Type SW4 o. GR	120 x 120 x 26.5	200		1600	56	7681	7682
Type SW4e o. GR	239 x 80 x 23.2	205		1600	71	7683	7684
Type SW6 o. GR	201 x 120 x 25.6	308		2400	87	10402	10403
Type SW8 o. GR	239 x 120 x 19.6	205		3200	92	7685	7686
Type SW10 o. GR	300.6 x 120 x 25.6	462		4000	125	10404	10405
WITH GRATING							
Type SW1	80 x 80.5 x 45	200	1 x 200 L drum	400	56	8531	8532
Type SW2	120 x 80.5 x 37	220	2 x 200 L drum	800	64	7583	7687
Type SW3	180 x 80.5 x 29	205	3 x 200 L drum	1200	90	10140	10141
Type SW4	120 x 120.5 x 27.5	200	4 x 200 L drum	1600	94	7688	7689
Type SW4e	239 x 80.5 x 24.2	205	4 x 200 L drum	1600	100	7690	7691
Type SW6	201 x 120.5 x 26.6	308	6 x 200 L drum	2400	122	10406	10407
Type SW8	239 x 120.5 x 20.6	205	8 x 200 L drum	3200	166	7692	7693
Type SW10	300.6 x 120.5 x 26.6	462	10 x 200 L drum	4000	175	10408	10409

SPILL PALLETES WITHOUT GROUND CLEARANCE

Description / Type	External dimensions cm (l x w x h)	Collection volume L	Loading capacity kg	Weight approx. kg	Painted model	Galvanised model
					Order no.	Order no.
WITHOUT GRATING						
Type SW2 o.F o.GR	120 x 80 x 26	220	800	47	11206	11207
Type SW4 o.F o.GR	120 x 120 x 16.5	200	1600	53	11208	11209
WITH GRATING						
Type SW2 o.F	120 x 80.5 x 27	220	800	49	11210	11211
Type SW4 o.F	120 x 120.5 x 17.5	200	1600	76	11212	11213

SPILL PALLETES FOR MOBILE TANK SYSTEMS FOR DIESEL UP TO 600 L

SPILL PALLETS FOR MOBILE TANK SYSTEMS FOR DIESEL UP TO 600 L					Painted model
Description / Type	External dimensions cm (l x w x h)	Collection volume L	Loading capacity kg	Weight approx. kg	Order no.
WITHOUT GRATING					
Type SW 600/2 o. GR	120 x 81 x 81	640	800	96	11504
WITH GRATING					
Type SW 600/2	120 x 82 x 82	640	800	110	11505

Steel sumps / spill pallets PG 9

Mobile steel sump / spill pallets

- with hot-dip galvanised, removable gratings
- 2 steering and 2 fixed castors as well as a push handle for trouble-free steering
- collection volume 205 L
- loading height SW1-mobile 49 cm, loading height SW2-mobile 42 cm



SW1-mobile galvanised

SW2-mobile painted

MOBILE STEEL SUMP / SPILL PALLET

Description / Type		External dimensions cm (l x w x h)	Dimensions without / with bracket cm (l x w x h)	200 L drum items	Loading capacity kg	Weight approx. kg	Order no.
SW1-mobile	painted	98 x 81 x 113	80 x 80.5 x 53 /	1	300	62	7397
	galvanised	98 x 81 x 113	980 x 80.5 x 106.5	1	300	62	7398
SW2-mobile	painted	135 x 81 x 109	120 x 80.5 x 43.6 /	2	450	72	7399
	galvanised	135 x 81 x 109	1380 x 80.5 x 106.5	1380 x 80.5 x 106.5	450	72	7400
Securing belt for safer transport, 25 mm x 4 m, one-piece							7420

Small steel collection trays PG 9

- extremely versatile use: e.g. for decanting on the workbench, placing on a pallet, etc.
- made liquid-tight from 3 mm steel
- certified according to German regulation StawaR
- for containers up to max. 30 litres



Steel spill tray Q30

Steel spill tray R30

Description / Type	External dimensions cm (l x w x h)	Collection volume L	Weight approx. kg	Order no.
Small steel collection trays Q30	46 x 43.5 x 17	30	11	11003
Small steel collection trays R30	90 x 44.5 x 9	30	16	11004
Perforated plate insert Q30	–	–	2.5	11060
Perforated plate insert R30	–	–	3.5	11061

Barrel support and drum pallet for GRP, PE and steel sump/spill pallets PG 9



Description / Type	External dimensions cm (l x w x h)	Capacity	Weight approx. kg	Order no.
① Barrel support FB1	60 x 60 x 35	1 x 60 L or 1 x 200 L	15	7586
② Barrel support FB2	113 x 60 x 35	2 x 60 L or 2 x 200 L	21	7587
③ Barrel support FB3	120 x 60 x 40	3 x 60 L	17	7835
④ Barrel support, stackable	63 x 45 x 53	1 x 60 L	10	7741

IBC bunds steel PG 9

IBC bunds steel with design certification

- certified for the storage of water-hazardous and flammable substances
- designed for the storage of large containers such as IBC, ASF- and ASP containers up to 1000 litres
- with galvanised, removable grates
- 100 mm ground clearance for safe transport
- painted (RAL 5002, ultramarine blue) or galvanised



IBC bund GS2a
galvanised with
filling area



IBC bund GS1a
painted with
grating and filling
area



IBC bund GS2 AB1
painted with filling area



IBC bund GS1a AB1
painted with filling stand and filling area

Description		External dimensions cm (l x w x h)	Collection volume L	Cont. à 1000 L item	Loading capacity kg	Weight approx. kg	Painted Order no.	Galvanised Order no.
GS1		135 x 125.5 x 74.5	1000	1	2000	170	7392	7393
GS1a	with filling area	160 x 125.5 x 65	1000	1	2000	179	10613	10614
GS1 AB1	with 1 filling stand	135 x 125 x 109.5	1000	1	2000	182	10849	10850
GS1a AB1	with 1 filling stand	160 x 125 x 100	1000	1	2000	191	10851	10852
GS2		268 x 125.5 x 44.5	1000	2	4000	238	7394	7395
GS2a	with filling area	268 x 160.5 x 38.5	1000	2	4000	273	10615	10616
GS2 AB1	with 1 filling stand	268 x 125.5 x 79.5	1000	2	4000	247	10853	10854
GS2a AB1	with 1 filling stand and filling area	268 x 160.5 x 73.5	1000	2	4000	282	10855	10856
GS2 AB2	with 2 filling stands	268 x 125 x 79.5	1000	2	4000	256	10857	10858
GS2a AB2	with 2 filling stands and filling area	268 x 160 x 73.5	1000	2	4000	291	10859	10860

ACCESSORY FOR IBC STEEL BUNDS

Description	External dimensions cm (l x w x h)	Collection volume L	Cont. à 1000 L item	Loading capacity kg	Weight approx. kg	Order no.
Filling stand GS ZB galvanised	133 x 122 x 40	-	1	2000	49	7396

IBC bunds PE PG 9

IBC collecting trays in PE with National Technical Certification Z-40.22-564

- made from high-quality polyethylene
- high chemical resistance
- capacity 1,100 litre
- rugged PE support crossbar for high load-bearing capacity
- forkliftable with a forklift or manual lift truck (transport only when empty)
- can be stacked inside each other for transport



Video
IBC bunds made of
PE



IBC bund 1100/1-PE
with supporting crossbar
and filling attachment



With the IBC extension bund 500/1-PE, the IBC bund 1100/2-PE can be extended on both sides.

The overflow function is patent-protected.



IBC extension bunds PG 9

NEW



IBC extension bund 500/1-PE
with supporting crossbar



IBC extension bund 500/1-PE
with steel grating



IBC extension bund 500/1-PE
with PE perforated plate



IBC bund 1100/2-PE
with galvanised steel
grating



IBC bund 1100/1-PE
with supporting crossbar



IBC bund 1100/1-PE
with PE perforated plate



IBC bund 1100/1-PE with filling
attachment and galvanised
steel grating



Nestable for transport

IBC EXTENSION BUND

Description / Type	External dimensions cm (l x w x h)	Collection volume L	No. of 1000 L IBCs	Loading capacity kg	Weight approx. kg	Order no.
1100/1-PE	146 x 117 x 85	1100	1	1500	43	10938
1100/1-PE with galvanised steel grating	146 x 117 x 87	1100	1	1500	63	10947
1100/1-PE with PE perforated plate	146 x 117 x 88	1100	1	1500	53	10950
1100/1-PE with filling attachment	162 x 117 x 85	1100	1	1500	45	10939
1100/1-PE with filling attachment with galvanised steel grating	162 x 117 x 87	1100	1	1500	65	10948
1100/1-PE with filling attachment and PE perforated plate	162 x 117 x 88	1100	1	1500	55	10951
1100/2-PE	223 x 146 x 44	1100	2	3000	47	10940
1100/1-PE with galvanised steel grating	223 x 146 x 46	1100	2	3000	87	10949
1100/2-PE with PE perforated plate	223 x 146 x 47	1100	2	3000	67	10952
Extension bund 500/1-PE	146 x 124 x 48	500*	NEW 1	1500	34,5	11863
Extension bund 500/1-PE with galvanised steel grating	146 x 124 x 48	500*	NEW 1	1500	56	11864
Extension bund 500/1-PE with PE perforated plate	146 x 124 x 48	500*	NEW 1	1500	43	11865

PE ground protection systems ^{HD} with grating PE PG 9

PE ground protection systems with general construction inspection certification Z-40.22-548 and Z-40.22-549

- can be used as storage/filling station
- elements can be combined to cover a complete storage area
- connection components (accessories) permit the lining of surfaces of any size that are suitable as storage and transfilling stations

- can be combined in any way with the PE collection trays on page 157 of this catalogue
- rugged, removable PE grating
- sturdy PE access ramp with an integrated fixing bolt for connection to the PE grating, slight incline for easy loading of the floor elements
- PE grating and access ramp are non-slip
- with visual leak detector



① Accessory access ramp


Can be combined in any way with the PE collection trays^{HD} on page 157

PE ground protection systems – RG without certification

- manufactured from high quality recycled polyethylene
- suitable as a collection tray for materials not hazardous to water or when no certification is required


PE sump 120^{HD}
with PE grating

PE sump 250^{HD}
with PE grating

Description / Type	Overall dimensions cm (l x w x h)	Collection volume L	Ultimate load* kg	Weight approx. kg	with General Construction Inspection Certification	without certification PE-Systems ^{HD} RG
					Order no.	Order no.
PE sump 120 ^{HD} with PE grating	120 x 80 x 18	120	500	12.8	10711	10891
PE sump 250 ^{HD} with PE grating	160 x 120 x 18	250	1000	25.7	10713	10893

* with an evenly distributed load

ACCESSORIES FOR PE GROUND PROTECTION SYSTEMS^{HD}

Description	Overall dimensions cm (l x w x h)	Order no.
① Access ramp, load capacity 300 kg, weight approx 13 kg	126 x 80 x 20	10714
② Connecting rail, short	114 x 1.5 x 1.5	10721
③ Connecting rail, long	154 x 1.5 x 1.5	10722
Cross connector	11.5 x 11.5 x 3.5	10723

PE ground protection systems ^{HD} with galvanised grating PG 9

PE ground protection system with general building certification Z-40.22-548 and Z-40.22-549

- implemented as storage and filling station
- components can be combined into a floor-covering storage system
- robust, removable, galvanised steel grating with feet
- optional connecting rails make it possible to cover large surfaces that are suitable as storage and filling stations

- sturdy PE ramps with integrated locating bolts for docking on the grating, with a gentle slope for easy loading on the work floor
- perforated plate and access ramp are non-slip





① Accessory
access ramp



Description / Type	Overall dimensions cm (l x w x h)	Collection volume L	Ultimate load kg	Wheel load kg	Weight approx. kg	Order no.
PE spill pallet 60 ^{HD} with galvanised steel grating	80 x 60 x 18	60	1000	150	16	11135
PE Spill pallet 120 ^{HD} with galvanised steel grating	120 x 80 x 18	120	1000	150	31	11136
PE Spill pallet 250 ^{HD} with galvanised steel grating	160 x 120 x 18	250	1000	150	63	11137

ACCESSORIES FOR PE GROUND PROTECTION SYSTEMS^{HD}

Description	Overall dimensions cm (l x w x h)	Order no.
① Access ramp, load capacity 300 kg, weight approx 13 kg	126 x 80 x 20	10714
②  ② Connecting rail, short	114 x 1.5 x 1.5	11138
③  ③ Connecting rail, long	154 x 1.5 x 1.5	11139

PE ground protection system 270/8 with PE grating PG 9

PE ground protection system with general building certification Z-40.22-579

- can be used as a storage/filling station
- elements can be connected to form a comprehensive storage system

- rugged, removable PE grating
- connection components (accessories) permit the lining of surfaces of any size that are suitable as storage and transfilling stations

- sturdy PE drive-on ramp with integrated angle bracket for docking onto the PE sump, low gradient for easy loading of the floor elements
- PE grating and access ramp are non-slip



PE ground protection systems 270/8
Example consisting of
4x PE spill tray 270/8,
1x access ramp ①,
2x connecting rail, short ②,
2x connecting rail, long ③ and
1x cross connector ④



270/8

Description / Type	Overall dimensions cm (l x w x h)	Collection volume L	Ultimate load* kg	Weight approx. kg	with general building certification Order no.
PE ground protection systems 270/8 with PE grating	248 x 128 x 18	270	2400	44	11275

* with an evenly distributed load

ACCESSORIES FOR PE GROUND PROTECTION SYSTEMS 270/8

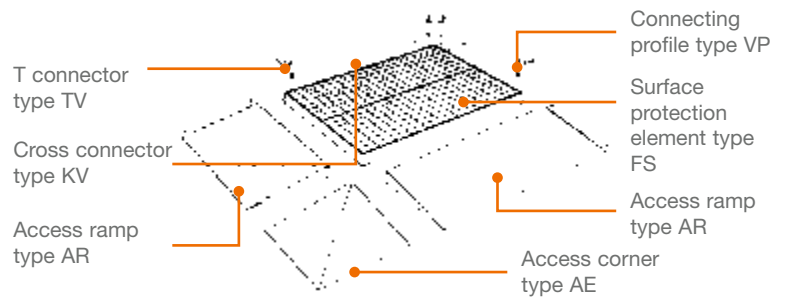
Description	Overall dimensions cm (l x w x h)	Order no.
① Access ramp for PE drum bunds 220/8	126 x 80 x 20	11282
② Connecting rail, short for front connection	119 x 7 x 5	11641
③ Connecting rail, long for longitudinal connection	238 x 7 x 5	11642
④ Cross connector	15 x 15 x 5	11643

Ground protection systems made of steel PG 9

Safety when handling water hazardous and flammable substances.

Modular matching elements allow the lining of large surfaces, which are suitable as storage and transfer stations.

- suitable for storage of water-polluting and flammable substances
- modular, matched elements
- with galvanised, removable grating
- available painted (RAL 5002, ultramarine blue) or galvanised



SYSTEM ELEMENTS

Description / Type		External dimensions cm (l x w)	Height cm	Collection volume L	Loading capacity kg/m ²	Wheel load kg	Weight approx. kg	Order no.
Ground protection	FS 55/13/13 galvanised	130 x 130	5.5	49	5000	450	106	11441
	FS 55/13/18 galvanised	130 x 180	5.5	69	5000	450	136	11442
	FS 55/13/28 galvanised	130 x 280	5.5	108	5000	450	223	11443
	FS 55/18/18 galvanised	180 x 180	5.5	96	5000	450	201	11444
	FS 108/13/13 galvanised	130 x 130	11	105	5000	450	112	11445
	FS 108/13/18 galvanised	130 x 180	11	146	5000	450	153	11446
	FS 108/13/28 galvanised	130 x 280	11	228	5000	450	233	11447
	FS 108/18/18 galvanised	180 x 180	11	220	5000	450	209	11448
Access ramps	AR13 galvanised	126 x 72	5.5				30	7407
	AR18 galvanised	176 x 72	5.5				42	7408
	AR28 galvanised	276 x 72	5.5				63	10619
	AE galvanised	72 x 72	5.5				21	7410
	AR13 galvanised	126 x 72	11				34	7411
	AR18 galvanised	176 x 72	11				46	7412
	AR28 galvanised	276 x 72	11				70	10620
	AE galvanised	72 x 72	11				23	7414

Manufactured to order. Delivery approx. 3-4 weeks.

FASTENING ELEMENTS

Description / Type		External dimensions mm (b x l)	Weight approx. kg	Order no.
VP13	galvanised	38 x 1280	2	7415
VP18	galvanised	38 x 1780	3	7416
VP28	galvanised	38 x 2780	5	10621
KV	galvanised	200 x 200	1	7418
TV	galvanised	200 x 100	1	7419

Manufactured to order. Delivery approx. 3-4 weeks.

Drum racks

Sump/spill pallets with general construction inspection certification no. Z-40.12-227 granted by DIBt-Berlin.

Drum racks for approved and spacesaving storage of barrels and other containers. All drum racks are completely hot-dip galvanised and have a corrosion free GRP

sump/spill pallet for long-term safe use. Due to their absolute corrosion resistance, GRP sump/spill pallets can be placed directly on the ground. The low installation height facilitates handling in the factory/ workshop. The different rack models permit filling over the projecting sump/spill pallet for a wide range

of barrels and containers. The rack ensures optimum matching to the actual operating conditions. Delivered in space-saving individual parts, easily and quickly assembled.



- ✓ quick and easy assembly
- ✓ universally applicable
e.g. waste oil, lyes and acids
- ✓ corrosion-resistant
- ✓ heavy duty shelves
- ✓ minimum inspection requirements, no additional inspection of sump/spill pallet base (compare steel sump/spill pallets)

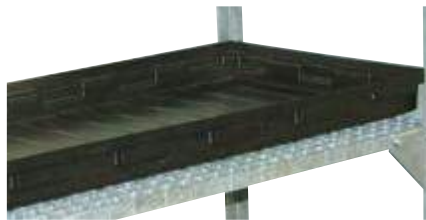
Example:
Drum rack type 540 has three grating shelves and six clip-in individual drum supports, which can be clipped in different positions in two shelves.



ACCESSORIES



Sump/spill pallet supports for secure standing on uneven ground and to make the drum rack forkliftable



Accessory PE collection tray 40 L



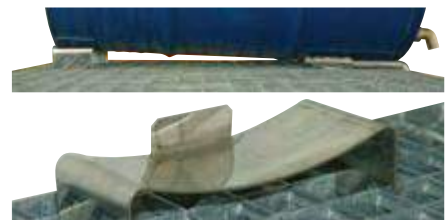
Can holder for easy filling of small containers



Ball valve for quick and simple discharge



Rotating roller support for simple movement of drums



Drum supports for tilting drum for optimum emptying of 60 L drums

Drum racks type 120 PG 9

2 shelves
for up to
two 60 L barrels

or

2 shelves
for small containers

or

1 shelf
for one 60 L barrel and
1 shelf
for small containers

GRP sump/spill pallet with
65 L collection
volume

60

drum supports



Model 3
Drum rack Type 120 with GRP sump/
spill pallet









Application example:
with steel grating for GRP
sump/spill pallet as 3rd
shelf



Application example:
with stackable barrel
support as an extra
shelf for a 60 L drum




DRUM RACK TYPE 120 FOR SMALL CONTAINERS AND 60 L BARRELS

Description TYPE 1 SUMP/SPILL PALLET 65 L	Overall dimensions cm (l x w x h)	Heights of shelves in cm from ground	Weight approx. kg	Order no.
  <p>Model 1 with GRP sump/spill pallet ① with drum supports for 2 x 60 L barrels</p>	45 x 82 x 131	63 / 115	18	7081
	45 x 82 x 131	63 / 115	37	11481
  <p>Model 2 with GRP sump/spill pallet ② with grating support for small containers</p>	45 x 82 x 131	60 / 112	21	7639
	45 x 82 x 131	60 / 112	40	11482
  <p>Model 3 with GRP sump/spill pallet ③ with drum and grating support for 1 x 60 L barrel and small containers</p>	45 x 82 x 131	60 / 112	19	7640
	45 x 82 x 131	60 / 112	38	11483

Drum racks type 360 and type 540 PG 9



DRUM RACKS TYPE 360 AND TYPE 540

Description	Overall dimensions cm (l x w x h)	Heights of shelves in cm from ground	Weight approx. kg	Order no.
DRUM RACK TYPE 360 FOR SMALL CONTAINERS AND UP TO 6 x 60 L BARRELS				
Drum rack type 360 with GRP sump/spill pallet 150 L (5113) with drum supports for 6 x 60 L barrels and/or small containers	132 x 80 x 130	69 / 117	60	7642
Drum rack type 360 with steel sump/spill pallet SW 2 (7583) with drum supports for 6 x 60 L barrels and/or small containers	132 x 80 x 130	36 / 69 / 117	115	10253
DRUM RACK TYPE 540 FOR SMALL CONTAINERS AND UP TO 12 x 60 L BARRELS				
Drum rack type 540 with GRP sump/spill pallet 150 L (5113) with drum supports for 6 x 60 L barrels and small containers	132 x 80 x 200	69 / 117 / 165	82	7734
Expansion unit for type 540 with GRP sump/spill pallet 150 L (5113) with drum supports for 6 x 60 L barrels and small containers	132 x 80 x 200	69 / 117 / 165	72	7855
Drum rack type 540 with steel sump/spill pallet SW 2 (7583) with drum supports for 6 x 60 L barrels and small containers	132 x 80 x 200	36 / 69 / 117 / 165	137	10254
Expansion unit for type 540 with steel sump/spill pallet SW 2 (7583) with drum supports for 6 x 60 L barrels and small containers	132 x 80 x 200	36 / 69 / 117 / 165	127	10255

* certified under StawaR



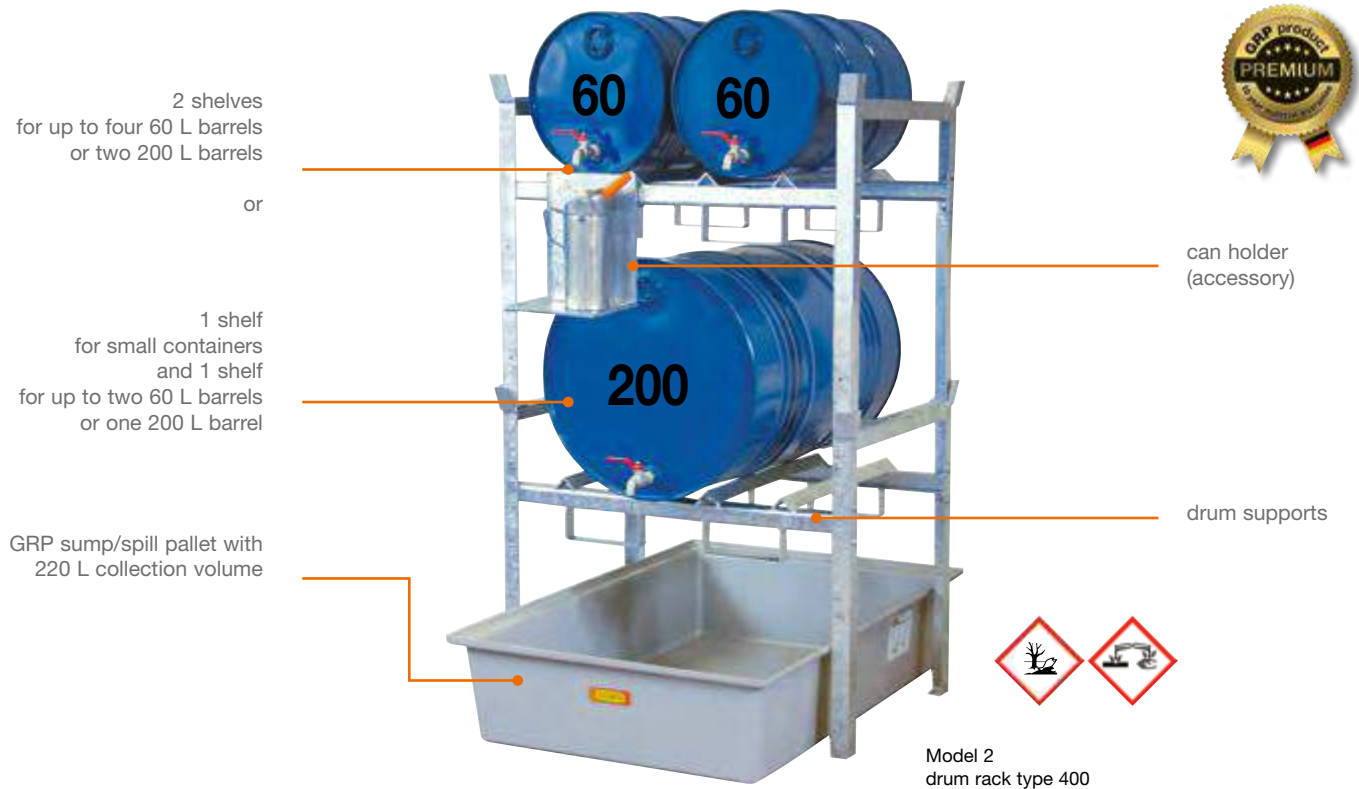
Combination of drum rack type 540
and expansion unit type 540



Combination of drum rack type 540
and hazardous substance rack 13/20 (see p. 182)

★ Accessories see
page 177

Drum racks type 400 PG 9



DRUM RACK TYPE 400 FOR SMALL CONTAINERS AND UP TO 4 x 60 L BARRELS

Description	Overall dimensions cm (l x w x h)	Heights of shelves in cm from ground	Weight approx. kg	Order no.
TYPE 400 WITH GRP SUMP/SPILL PALLET 220 L (6882)				
 <p>Model 1 with barrel support for 2 x 60 L barrels or 1 x 200 L barrel</p>	99 x 128 x 84	62	41	7663
 <p>Model 2 with barrel support for 4 x 60 L barrels or 2 x 200 L barrels or 2 x 60 L drums and 1 x 200 L drum</p>	99 x 128 x 162	62 / 140	70	7664
 <p>Model 3 with barrel support for 2 x 60 L barrels or 1 x 200 L barrel and grating support for small containers</p>	99 x 128 x 162	62 / 139	82	7665

★ Accessories see
page 177

Drum rack type 800 PG 9

2 shelves
for up to six 60 L barrels
or four 200 L barrels

or

1 shelf for small
containers and
1 shelf
for barrels

or

1 shelf
for barrels

GRP sump/spill
pallet with 220 L
containment capacity



Model 3
Drum rack type 800

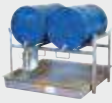





★ Accessories see
page 177

drum supports





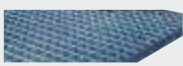


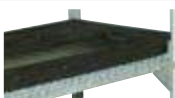


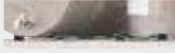





can holder
(accessory)



DRUM RACK TYPE 800 FOR SMALL CONTAINERS AND UP TO 4 x 200 L BARRELS

Description	Overall dimensions cm (l x w x h)	Heights of shelves in cm from ground	Weight approx. kg	Order no.
TYPE 800 WITH GRP SUMP/SPILL PALLET 220 L (6884)				
 Model 1 with barrel supports for 2 x 200 L barrels	141 x 128 x 84	62	51	7670
 Model 2 with barrel supports for 4 x 200 L barrels	141 x 128 x 162	62 / 140	84	7671
 Model 3 with barrel supports for 2 x 200 L barrels and 3 x 60 L barrels	141 x 128 x 162	62 / 140	87	7672
 Model 4 for 2 x 200 L barrels and grating support for small containers	141 x 128 x 162	62 / 139	116	7673
 Model 5 with drum supports for 3 x 60 L barrels	141 x 128 x 84	62	54	7674
 Model 6 with drum supports for 6 x 60 L barrels	141 x 128 x 162	62 / 140	90	7675

Accessories for drum racks type 120 to type 800 PG 9

	for type	Description	Overall dimensions cm (l x d x h)	Heights of shelves in cm from ground	Weight approx. kg	Order no.
	400	Sump/spill pallet support (pair), sump/spill pallet forkliftable		15	7	7668
	800	Sump/spill pallet support (pair), sump/spill pallet forkliftable		15	10	7679
	400	Shelf for 1 x 200 L or 2 x 60 L drums	99 x 66 x 84	62	28	8326
	800	Shelf for 2 x 200 L drums	141 x 66 x 84	62	33	8328
	800	Shelf for 3 x 60 L drums	141 x 66 x 84	62	36	8329
	120	Steel grating for sump/spill pallet as 3 rd shelf	42 x 80 x 3	24	6	7641
	360 540	Steel grating as 3 rd (for type 360) or 4 th shelf (for type 540)	130 x 62 x 3	21	18	6817
	360 540	Steel tray 20 L as 3 rd (for type 360) or 4 th shelf (for type 540)	130 x 62 x 5	21	19	7799
	360 540	PE collection tray 40 L as insert tray (acid-/alkali resistant, see page 159)	130 x 62 x 8	22	5	7871
	120	Stackable drum support, for an extra shelf for a 60 L drum	63 x 45 x 53	167	10	7741
	400	Grating level for small containers	99 x 125 x 84	62	40	8327
	360 540	Drum supports 3 pcs. per shelf			1	7800
	360 540	Drum supports "raising" 3 pieces for one shelf for optimum emptying of the 60 L drums			1	8254
	400 800	Rotating roller support for 200 L barrel (pair)		66	6	7669
	360 400 540 800	Edge border (4-part), galvanised for sideways insertion in the steel grating for securing storage material such as small containers, etc. from falling off				6990
	120 360 540	Can holder, galvanised, bearing surface 23 x 11 cm (w x d)			2	5917
	400 800	Can holder, galvanised, bearing surface 18.5 x 11 cm (w x d)			2	7727
	all	Discharge ball valve 1/2", nickel plated brass, angled 90° [PG 8]			1	3775
	all	Discharge ball valve 3/4", nickel plated brass, angled 90° [PG 8]			1	3776

HazMat pallet racks with PE sumps PG 9

HazMat pallet racks

These racks are ideal for storing drums on Euro pallets or chemical pallets and for IBC storage. They comply with the legal requirements for the storage of water-hazardous substances.

PE collection trays with General Construction Inspection Certification Z-40.22-579

- several storage versions can be combined
- expandable
- simple plug-together assembly system
- suitable for storage of water-hazardous substances
- two shelves

HazMat pallet rack consisting of:

- 2 support frames
- 2 pairs of cross members
- 2 push-through prevention rails incl. bracket
- 1 PE rack floor tray

Add-on rack consisting of:

- 1 support frame
- 2 pairs of longitudinal members
- 2 push-through prevention rails incl. bracket
- 1 PE rack floor sump




HazMat pallet racks 18/405 and 27/1100, including optional PE suspended rack sumps 18/230 and 27/230, see page 179

HAZMAT PALLET RACKS AS A SET WITH PE RACK FLOOR TRAY

Description	Overall dimensions cm (l x w x h)	Shelf dimensions cm (w x d)	Shelf load kg	For number of pallets	Weight approx. kg	Collection volume L	Order no.
HazMat pallet rack 18/405 for drum storage	207 x 110 x 300	190 x 110	3850	2	132	405	11462
Add-on rack for HazMat pallet rack 18/405	199 x 110 x 300	190 x 110	3850	2	98	405	11463
HazMat pallet rack 22/520 for drum storage	247 x 110 x 300	230 x 110	3000	2	145	520	11464
Add-on rack for HazMat pallet rack 22/520	239 x 110 x 300	230 x 110	3000	2	111	520	11465
HazMat pallet rack 27/1100 for drum or IBC storage	287 x 110 x 300	270 x 110	3070	3	166	1100	11466
Add-on rack for HazMat pallet rack 27/1100	279 x 110 x 300	270 x 110	3070	3	132	1100	11467

ACCESSORIES HAZMAT PALLET RACK

Description	Order no.
 Rack collision guard	8202

HazMat pallet racks with PE sump PG 9

PE rack floor trays

with General Construction Inspection Certification Z-40.22-579

- for retrofitting to convert existing rack systems into HazMat pallet racks
- made of high-quality polyethylene (PE)
- high chemical resistance
- sump can be placed directly on the floor
- with integral forklift pockets for loading the racks with pallets or IBCs



PE RACK FLOOR SUMPS

Description	Overall dimensions cm (l x d x h)	For number of pallets	Weight approx. kg	Collection volume L	Order no.
PE rack floor sump 18/405 for shelf dimensions 180 x 110 cm	178 x 132 x 28	2	18.2	405	11468
PE rack floor sump 22/520 for shelf dimensions 220 x 110 cm	218 x 132 x 28	2	22.5	520	11469
PE rack floor sump 27/1100 for shelf dimensions 270 x 110 cm	268 x 132 x 42	3	34	1100	11470

PE suspended rack sumps

with General Construction Inspection Certification Z-40.22-579

- for retrofitting to convert existing rack systems into HazMat pallet racks
- made of high-quality polyethylene (PE)
- high chemical resistance
- the PE suspended rack sumps rest on the rack cross members and are held securely in place
- ideal for Euro pallets (120 x 80)
- loaded pallets can be placed directly on the sump
- a steel or PE grating is not required, but can be used if desired



PE suspended rack sump 18/230 for shelf dimensions 180 x 110 cm



PE suspended rack sump 27/230 for shelf dimensions 270 x 110 cm



PE SUSPENDED RACK SUMPS

Description	Overall dimensions cm (l x d x h)	Internal depth cm	Shelf load in kg	For number of pallets	Weight approx. kg	Collection volume L	Order no.
PE suspended rack sump 18/230 for shelf dimensions 180 x 110 cm	178 x 130 x 23	95	2 x 600	2	20	230	11471
PE suspended rack sump 27/230 for shelf dimensions 270 x 110 cm	262 x 130 x 16.5	95	3 x 600	3	27.5	230	11472

ACCESSORIES FOR PE SUSPENDED RACK TRAY

Description	Overall dimensions cm (l x d x h)	Loading capacity kg	Weight approx. kg	Order no.
Steel grating for PE suspended rack sump*	120 x 80 x 3	600	12.4	11269
PE grating for PE suspended rack sump*	120 x 80 x 6	600	8.5	11271

*two required for PE suspended rack tray 18/230 and three for suspended rack sump 27/230

PE shelf bunds for small containers PG 9

NEW

For the safe and proper storage of water and environmentally hazardous materials as per TRGS 510 in small containers and on shelves.

- with general construction inspection approval no. Z-40.22-601
- with/without PE grating
- manufactured from high-density polyethylene
- including visual leak indicator
- high resistance to acids and alkalis
- also for the separate installation of small containers
- multiple bunds enable single-type storage of the media
- the biggest variety of these bunds on the market – for 3 shelf depths and 2 lengths
- can also be retrofitted on shelves from other manufacturers
- for canisters of between 20 and 40 litres, depending on the size



PE small container shelf bund 10/5 with PE grating



PE small container shelf bund 10/4



PE small container shelf bund 10/4, 10/5 and 10/6 with PE grating, stacked



PE small container shelf bund 13/4, 13/5 and 13/6 with PE grating, stacked



The truncated cone principle of the grate elements has been patented by CEMO.

The visual leak indicator allows leaks to be spotted quickly.



The bunds have been specially developed for small containers on shelving racks in 3 different depths – also ideal for retrofitting on shelves from other manufacturers.

PE SHELF BUNDS FOR SMALL CONTAINERS

Description / Type	for shelf depth cm	for shelf width cm	Dimensions bund			Collection volume L	Weight approx. kg	Order no.
	width	depth	height					
Shelf bunds for small containers 10/4	40	100	97.6	39.5	9.5	21	1.8	11729
Shelf bunds for small containers 10/4 with PE grating	40	100	97.6	39.5	9.5	21	3.9	11730
Shelf bunds for small containers 13/4	40	130	129.5	39.5	9.5	28	2.35	11735
Shelf bunds for small containers 13/4 with PE grating	40	130	129.5	39.5	9.5	28	5.15	11736
Shelf bunds for small containers 10/5	50	100	97.6	49.5	9.5	27	2.2	11731
Shelf bunds for small containers 10/5 with PE grating	50	100	97.6	49.5	9.5	27	4.7	11732
Shelf bunds for small containers 13/5	50	130	129.5	49.5	9.5	36	2.8	11737
Shelf bunds for small containers 13/5 with PE grating	50	130	129.5	49.5	9.5	36	6.14	11738
Shelf bunds for small containers 10/6	60	100	97.6	59.5	9.5	33	2.5	11733
Shelf bunds for small containers 10/6 with PE grating	60	100	97.6	59.5	9.5	33	5.68	11734
Shelf bunds for small containers 13/6	60	130	129.5	59.5	9.5	44	3.25	11739
Shelf bunds for small containers 13/6 with PE grating	60	130	129.5	59.5	9.5	44	7.49	11740

ACCESSORIES (FOR QUANTITY NEEDED, SEE GRAPHIC)

	Dimensions PE grating					
	width	depth	height			
PE grating 40 x 32 (1 piece) for bunds with a depth of 40 cm	40	32	9.5	-	0.7	11741
PE grating 50 x 32 (1 piece) for bunds with a depth of 50 cm	50	32	9.5	-	0.84	11742
PE grating 60 x 32 (1 piece) for bunds with a depth of 60 cm	60	32	9.5	-	1.06	11743

Shelf width 100
PE grating 3x



Shelf width 130
PE grating 4x



Environmental/HazMat racks with PE bund PG 9

HazMat rack 10/5-PE and 13/5-PE with general construction inspection certification no Z-40.22-601

For storage of water-polluting substances in small containers up to 27 or 36 L capacity. The tray is completely galvanised and can be assembled without screws or tools. It has four shelf floors which can be

positioned in mounting points that have 25 mm spacing and four 27 or 36 L PE bunds.

Each level can support up to 200 kg.



①



②

Environmental/HazMat rack 13/5 with expansion rack 10/5 PE
(For PE grating accessories, see page 180)

HAZMAT RACK 10/5-PE AND 13/5-PE

Description	External dimensions cm (l x w x h)	Usable floor area cm (l x w)	Features	Collection volume L	Base unit	Expansion rack
					Order no.	Order no.
① HazMat rack 10/5 PE with PE bund	106 x 53.5 x 200	100 x 50	4x PE bund	4 x 27	11943	11944
② HazMat rack 13/5 PE with PE bund	136 x 53.5 x 200	130 x 50	4x PE bund	4 x 36	11945	11946

Environmental / HazMat racks PG 9

Environmental/HazMat rack 10/20 with general construction inspection certification no. Z-40.22-388

For storage of water-polluting substances in small containers up to 30 L capacity. The tray is completely galvanised and can be assembled without screws or tools. It has 5 shelf floors which can be positioned in mounting points that have 25 mm spacing and two 30 L, PE collection trays. Each level can support up to 200 kg.

Environmental/HazMat rack 13/20

For storage of water-polluting substances in small containers up to 20 L capacity. It is completely hot-dip galvanised and equipped with a 20 L leak-tight spill tray base welded in accordance with StawaR (German guidelines for the requirements of steel container trays of capacity up to 1000 L) lowest shelf.





Environmental/Haz-Mat rack 10/20 with expansion rack (PE sump/spill pallet, accessory)

ENVIRONMENTAL/HAZMAT RACK 10/20 FOR SMALL CONTAINERS

Description	Overall dimensions cm (l x w x h)	Weight approx. kg	Order no.
 Environmental/HazMat rack 10/20 for small containers	106 x 63 x 200	44	8091
 Expansion rack for environmental/HazMat rack 10/20	101 x 63 x 200	34	8092

ENVIRONMENTAL/HAZMAT RACK 13/20 FOR SMALL CONTAINERS

Description	Overall dimensions cm (l x w x h)	Heights of shelves in cm from ground	Weight ap- prox. kg	Order no.
 Environmental/HazMat rack 13/20 for small containers	132 x 63 x 200	16/69/117/165	92	7820
 Expansion rack for Environmental/HazMat rack 13/20	132 x 63 x 200	16/69/117/165	82	7856

ACCESSORIES ENVIRONMENTAL/HAZMAT RACK 10/20 AND 13/20

for type	Description	Overall dimensions cm (l x w x h)	Weight approx. kg	Order no.
10/20	PE collection tray 30 L as insert tray (acid-/alkali resistant)*	98 x 60 x 8.5	4	8076
13/20	PE collection tray 40 L as insert tray (acid-/alkali resistant)*	130 x 62 x 8	5	7871
10/20	Additional shelf floor for environmental/HazMat rack 10/20	100 x 60 x 4	4	8093

* see page 159

Environmental / HazMat racks PG 9

Space-saving storage for substances in all water-pollution classes

- galvanised steel for racks, sumps and gratings
- accessible from both sides
- 200 kg weight limit per shelf
- 1600 kg floor load limit per rack system
- height-adjustable shelves with grids of 25 mm

- additional wall fixing according to application (not essential)
- expandable storage capacity by increasing the base unit with expansion units
- quick plug-assembly of supplied components



Version with spill tray base:

- 4 shelves with spill tray base
- separated storage of different substances per shelf
- spill tray per shelf
- all shelves can have the full containment volume by using the removable grating (see accessories)



Environmental/HazMat rack 10/5 (base unit) and 13/5 (as expansion unit) with removable grating (see accessories)

Version with grating shelves:

- 4 shelves with grating
- 3 shelves with grating
- bottom shelf with spill tray
- bottom shelf can have the full containment volume by using a removable grating (see accessories)



Environmental/HazMat rack 13/5 (base unit) and 10/5 (expansion unit) with removable grating (see accessories)

ENVIRONMENTAL/HAZMAT RACK 10/5 AND 13/5

Description	External dimensions cm (l x w x h)	Usable floor area cm (l x w)	Features	Collection volume L	Base unit	Expansion unit
					Order no.	Order no.
10/5 with spill tray bases	106 x 53.5 x 200	100 x 50	4 x shelf tray, galvanised	4 x 25	11181	11182
13/5 with spill tray bases	136 x 53.5 x 200	130 x 50	4 x shelf tray, galvanised	4 x 33	11183	11184
10/5 with grating levels	106 x 53.5 x 200	100 x 50	1 x shelf tray, 3 x grating, galvanised	1 x 25	11185	11186
13/5 with grating levels	136 x 53.5 x 200	130 x 50	1 x shelf tray, 3 x grating, galvanised	1 x 33	11187	11188



Note: An expansion unit is supplied without a frame on one side and can only be used in conjunction with the base field.

ACCESSORIES FOR ENVIRONMENTAL/HAZMAT RACK 10/5 AND 13/5

Description	for type 10/5	for type 13/5
	Order no.	Order no.
Additional shelf spill tray	11189	11190
Additional grating as storage shelf	11191	11192
Reinforcing cross members (two) for shelf floor tray and grating as shelf	11365	11363
Removable grating for shelf tray	11193	11194
Wall fixing	11195	11195

Workshop trolley PG 9

Robust mobile workshop trolley for use in working and storage areas. Also ideal as a station for dispensing liquids and safely providing hazardous substances. Three versions are available.

- 3 mm thick steel spill trays tested according to German regulation StawaR
- available with lockable storage space
- push handle for simple manoeuvring
- four castors, including two braked steering castors
- top spill tray shelf positioned at an ergonomic working height of 92 cm
- optional third spill tray shelf can be positioned at half height
- high-quality powder coating in light grey and orange

Version 1: with spill tray shelves

- two spill tray shelves with 89 x 59 cm base area
- spill tray shelf can be fixed at half height as necessary
- includes 1 x perforated plate insert, can be used for both spill tray shelves

Version 2: with compartment

- two spill tray shelves with 44 x 59 cm base area
- lockable door
- height-adjustable shelf inside (42 x 58 cm base area)
- storage area on top with non-slip mat
- includes 1x perforated plate insert, can be used for both spill tray shelves

Version 3: with drawers

- two spill tray bases with 44 x 59 cm base area
- five drawers, jointly lockable
- storage area on top with non-slip mat
- includes 1 x perforated plate grating, can be used for both spill tray bases



Version 3
Workshop trolley with spill trays, drawers and additional spill tray base, 10 litres



Version 1
Workshop trolley with spill trays



Version 1
Workshop trolley with spill trays and additional spill tray base 20 litres



Version 2
Workshop trolley with spill trays, compartment and additional spill tray base 10 litres

Description	Overall dimensions cm (l x d x h)	Collection volume L	Weight approx. kg	Load capacity per level kg	Order no.
Workshop trolley with spill trays	99 x 61 x 92	2 x 20	58.8	75 / 150	11583
Workshop trolley with spill trays, compartment and anti-slip mat	99 x 61 x 92	2 x 10	56.2	75 / 180	11584
Workshop trolley with spill trays, drawers and anti-slip mat	99 x 61 x 92	2 x 10	86.2	75 / 180	11585

ACCESSORIES FOR WORKSHOP TROLLEY

Description	Overall dimensions cm (l x d x h)	Weight approx. kg	Order no.
Additional spill tray 10 L	45 x 60 x 6	7.8	11586
Additional spill tray 20 L	90.5 x 60 x 6	14.8	11587
Perforated plate for spill trays 10 L	44 x 59 x 5.5	2.2	11588
Perforated plate for spill trays 20 L	89.5 x 59 x 5.5	3.6	11589
Anti-slip mat (for compartments and drawers)	45 x 60 x 0.5	0.8	11358

Mobile hazardous material depot PG 9

For moving directly to the working location

- spill base according to German regulation StawaR
- shelf at the topmost position
- body made from sheet steel painted in grey (RAL 7035)
- smooth-running, lockable roller shutter
- side faces with perforations for tool holding system
- four castors, including two braked steering castors
- push handle for simple manoeuvring
- delivered fully assembled and ready for immediate use



Mobile hazardous material depot with shelf, extending tray and floor tray 33 L

Roller shutter, closed

Description	System includes	Overall dimensions cm (l x d x h)	Weight approx. kg	Load capacity per level kg	Order no.
Mobile hazardous material depot	1 x shelf, 1 x extending tray, 1 x floor tray 33 L (incl. perforated plate insert)	124 x 61 x 136	118	50	11394

ACCESSORIES

Floor tray 66 L (incl. perforated plate insert)	110 x 55 x 12	28	-	11400
Additional extending tray	108 x 51 x 9	11	-	11398
Additional spill tray base (incl. perforated plate insert)	111 x 55 x 5	12	-	11395
Non-slip mat, suitable for extending tray or shelf	-	0.5	-	11397

★ Environmental/HazMat cabinets on page 186

Hazardous material depot PG 9

For use in buildings and for outdoor installation

- vents in the door for natural ventilation
- lockable doors against unauthorised access
- slight roof pitch for rain drainage
- certified drip tray according to German regulation StawaR
- 2-drum version with partition wall in the centre
- hazard warning labels enclosed for identification as a hazardous materials storage facility
- Accessory height-adjustable shelves (grid 25 mm) allow storage of canisters and trays
- ground clearance for optimum forkliftability
- drums can be stored with pump or funnel fitted
- delivered fully assembled



Hazardous material depot compact 220 for 2 drums with perforated shelf (accessory)

Hazardous material depot compact 220 for 1 drum



Description	External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Containment volume L	Weight approx. kg	Order no.
Hazardous material depot compact 220 for 1 drum	85 x 70 x 200	82 x 67 x 144	220	99	11699
Hazardous material depot compact 220 for 2 drums	170 x 70 x 180	167 x 67 x 144	220	162	11700

ACCESSORY FOR HAZARDOUS MATERIAL DEPOT

Perforated shelf	81 x 66 x 3	-	-	4.2	11701
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Environmental / HazMat cabinets PG 9

For the safe and proper storage of water-hazardous and environmentally hazardous substances in buildings pursuant to German technical regulation TRGS 510.

CEMO environmental cabinets are manufactured from quality sheet steel. All cabinets are certified according to the sump certification according to German Steel Sump Guideline (StawaR). Since the doors are lockable, access can be restricted to persons trained in handling hazardous substances. Also ideal for storage of pesticide. Not suitable for the storage of flammable substances in work areas.

The following applies to all environmental cabinets on this double page:

- floor bund conformant to StawaR in 3 mm-thick steel
- each shelf is a spill tray
- high-quality powder coating in grey (RAL 7035)
- lockable doors by means of a cylinder lock
- doors open to 180°
- vents in the doors for natural ventilation
- supplied fully assembled and ready for immediate use
- the cabinet top has a connection (NW75) for an external ventilation system
- hazard warning label included

Environmental cabinets 5/10, 10/10, 5/20 & 10/20 certified pursuant to StawaR

- floor bund 30 L
- 4 sizes for maximising space
- all shelves are manufactured as galvanised sumps
- height-adjustable shelves, additional shelves available separately
- document pouch on inside of door



Environmental/HazMat cabinet 10/10



Environmental/HazMat cabinet 5/10



Environmental/HazMat cabinet 10/20



Environmental/HazMat cabinet 5/20

ENVIRONMENTAL/HAZMAT CABINETS 5/10, 10/10, 5/20 AND 10/20

Description	System includes: Floor tray, shelf tray	Overall dimensions cm (l x d x h)	Load capacity per level kg	Weight approx. kg	Order no.
Environmental/HazMat cabinet 5/10	1 x 20 L 1 x 30 L	50 x 50 x 100	65	38	10999
Environmental/HazMat cabinet 10/10	1 x 20 L 1 x 30 L	95 x 50 x 100	65	54	11000
Environmental/HazMat cabinet 5/20	3 x 20 L 1 x 30 L	50 x 50 x 195	65	61	11001
Environmental/HazMat cabinet 10/20	3 x 20 L 1 x 30 L	95 x 50 x 195	65	88	11002

ACCESSORIES ENVIRONMENTAL/HAZMAT CABINETS 5/10, 10/10, 5/20 AND 10/20

Description	for type	Weight approx. kg	Order no.
Shelf tray (20 L)	5/10, 5/20	2.5	11005
Shelf tray (20 L)	10/10, 10/20	4	11006
Perforated plate insert for shelf tray (20 L)	5/10, 5/20	2.2	11007
Perforated plate insert for shelf tray (20 L)	10/10, 10/20	3.2	11008
Perforated plate insert for shelf tray (30 L)	5/10, 5/20	2.5	11060
Perforated plate insert for shelf tray (30 L)	10/10, 10/20	3.5	11061

Environmental/HazMat cabinets PG 9

① Environmental cabinet with sliding door and certified under StawaR

- ideal for tight spaces
- each sliding door is mounted on rollers and can therefore be operated with one hand
- all shelves are manufactured as spill trays
- height-adjustable shelves
- all spill trays galvanised



① Environmental/HazMat cabinet 15/20 with sliding doors



③ Canister cabinet 10/20 (canisters not included)



② Environmental cabinet with fully extending drawers and certified under StawaR

- removable galvanised shelf trays allow access to all stored containers and tanks
- with interlock protection as standard so that not more than one sliding shelf can be open simultaneously
- all trays galvanised

③ Environmental/HazMat cabinet designed as a canister cabinet and certified under StawaR

- filling directly from the canister store (up to 15 canisters)
- the floor tray can be pulled out at the same time as the canister shelf to catch any spillage during filling
- the canister holder is suitable for most popular designs
- with interlock protection as standard so that the shelf tray cannot be open at the same time as more than one canister level
- all internals painted in RAL 7035
- shelf tray galvanised



Fans on pages 208 – 209



For mobile HazMat cabinets see HazMat depots on page 185.

② Environmental/HazMat cabinet 10/20 with fully extending drawers

Description	System includes	Overall dimensions cm (l x d x h)	Load capacity per level kg	Weight approx. kg	Order no.
① Environmental cabinet 10/20 with sliding doors	1 x Floor tray 30 L, 3 x Shelf tray à 20 L	100 x 50 x 195	65	95	11011
① Environmental cabinet 15/20 with sliding doors	2 x Floor tray à 30 L, 6 x Shelf tray à 20 L, centre divider	150 x 50 x 195	65	150	11012
② Environmental cabinet 10/20 with fully extending drawers	1 x Floor tray 30 L, 3 x Shelf tray à 20 L	95 x 50 x 195	70	108	11009
② Environmental cabinet 12/20 with fully extending drawers	1 x Floor tray 30 L, 3 x Shelf tray à 20 L	120 x 50 x 195	70	120	11010
③ Canister cabinet 10/20	1 x Floor tray 30 L, 1 x Lower shelf, 3 x Canister shelves	100 x 55 x 195	Canister shelf: 70 Lower shelf: 45	125	11014

Environmental/HazMat cabinet 13/20 PG 9

For the safe and proper storage of water-hazardous and environmentally hazardous, non-flammable substances in buildings pursuant to TRGS 510

The frame of this environmental cabinet is based on drum rack 540, forming a particularly sturdy overall package.

The cabinet is available in two versions.

- hot-dip galvanised frame and grating shelves
- high-quality powder coating in grey (RAL 7035)
- vents at the top and bottom of the doors for natural ventilation
- document pouch on inside of door
- hazard identification labels included
- load bearing capacity up to 200 kg per shelf
- 600 mm shelf depth allows horizontal storage of 60 L drums including tap for version 1



GRP sump with certification:



Version ①
with GRP sump 150 L

Version ①:

Environmental cabinet 13/20 with GRP sump

- collection volume 150 litres
- with General Construction Inspection Certification Z-40.12-227

Version ②:

Environmental cabinet 13/20 with spill tray

- bottom shelf as seamlessly welded steel spill tray with 20 litre collection volume

The cabinet is delivered unassembled.



Version ① with GRP sump 150 L



Version ② with spill tray base 20 L

Description	Kit includes:	Overall dimensions cm (l x w x h)	Weight approx. kg	Order no.
① Environmental/HazMat cabinet 13/20 with GRP sump	4x gratings 1x GRP sump 150 L cabinet lining	132 x 80 x 200	202	7954
② Environmental/HazMat cabinet 13/20 with spill tray base	3x gratings 1x spill tray base 20 L cabinet lining	132 x 63 x 200	204	7956

ACCESSORIES

Description	Overall dimensions cm (l x w x h)	Weight approx. kg	Order no.
PE sump 40 L as insert tray (acid-/alkali resistant)*	130 x 62 x 8	5	7871
Three drum supports for one shelf for version 1	130 x 62 x 8	1	7800

* see page 159

Drum cabinet 14/20 PG 9

For the safe and proper storage of drums containing water-hazardous and environmentally hazardous, non-flammable substances in buildings according to German regulation TRGS 510

60 and 200 litre drums can be safely stored in this drum cabinet. The cabinet is large enough for you to work with a hand pump or handle the drums. The additional spill tray base at the top can accommodate small containers.

Drum cabinet 14/20

- high-quality powder coating in grey (RAL 7035)
- lockable doors by means of a cylinder lock
- vents in the doors for natural ventilation
- the cabinet top has a connection (NW75) for an external ventilation system
- document pouch on inside of door
- hazard warning label included

Version ① with large, certified collection tray:

- floor tray made of steel or PE, both with grating
- additional spill tray at top (height adjustable, 25 mm grid)
- supplied fully assembled and ready for immediate use

Version ② with drum rack type 360 and certified collection tray:

- base made of steel, PE or GRP
- with drum supports for 6 x 60 L drums
- optional third shelf using grating



Drum cabinet with steel base for upright 200 litre drums



Drum cabinet with drum rack type 360 inside for horizontal 60 litre drums, steel grating as third shelf (see accessories), GRP base



Connection option (NW75) for external ventilation system

Description	System includes:	Overall dimensions cm (l x w x h)	Weight approx. kg	Order no.
① Drum cabinet 14/20 with steel sump	1 x spill tray 30 L, 1 x steel floor tray 210 L, incl. galvanised steel grating	140 x 84 x 195	150	11566
① Drum cabinet 14/20 with PE sump	1 x spill tray 30 L, 1 x PE floor tray 250 L, incl. PE grating	140 x 84 x 195	125	11571
① Drum cabinet 14/20 with PE sump	1 x spill tray 30 L, 1 x PE floor tray 250 L, incl. galvanised steel grating	140 x 84 x 195	128	11572
② Drum cabinet 14/20 with drum rack and steel sump	1 x drum rack type 360, incl. 6 x drum supports, 1 x steel floor tray 65 L	140 x 84 x 195	165	11569
② Drum cabinet 14/20 with drum rack and PE sump	1 x drum rack type 360, incl. 6 x drum supports, 1 x PE floor tray 120 L	140 x 84 x 195	145	11568
② Drum cabinet 14/20 with drum rack and GRP sump	1 x drum rack type 360 incl. 6 x drum supports, 1 x GRP sump 150 L	140 x 84 x 195	149	11567

ACCESSORIES

Description	Overall dimensions cm (l x w x h)	Weight approx. kg	Order no.
Steel grating as third shelf for drum rack type 360	130 x 62 x 3	18	6817
Three drum supports for steel grating for drum rack type 360	-	1	7800
Spill tray 30 L as additional shelf	132 x 46 x 5	8,5	11573

Pesticide cabinets PG 9

For the safe and proper storage of pesticides in buildings pursuant to TRGS 510

Pesticides are useful but, in the wrong hands or if released unintentionally, they can cause great harm to people and the environment due to the water hazard they pose. These substances can be safely stored behind locked doors and on trays in CEMO pesticide cabinets. The cabinets are suitable for the storage of non-flammable substances in work areas.

Pesticide cabinets 5/10, 10/10, 5/20 and 10/20

certified pursuant to StawaR:

- four sizes for different storage quantities
- high-quality powder coating in green (RAL 6011)
- floor tray (30 litres) pursuant to StawaR, made of 3 mm thick steel
- all shelves are manufactured as galvanised trays
- height-adjustable shelves (25 mm grid)
- see accessories for further spill tray bases as additional shelf
- lockable doors by means of a cylinder lock
- doors open to 135°
- vents in the doors for natural ventilation
- delivered fully assembled and ready for immediate use
- document pouch on inside of door
- hazard warning label included



Pesticide cabinet 10/20



Pesticide cabinet 5/20



Pesticide cabinet 10/10



Pesticide cabinet 5/10 with perforated plate insert (see accessories)

Description	System includes: Spill tray base, floor tray	Overall dimensions cm (l x d x h)	Load capacity per shelf kg	Weight approx. kg	Order no.
Pesticide cabinet 5/10	1 x 20 L 1 x 30 L	50 x 50 x 100	50	29	11390
Pesticide cabinet 10/10	1 x 20 L 1 x 30 L	95 x 50 x 100	50	50	11391
Pesticide cabinet 5/20	3 x 20 L 1 x 30 L	50 x 50 x 195	50	56	11392
Pesticide cabinet 10/20	3 x 20 L 1 x 30 L	95 x 50 x 195	50	87	11393

ACCESSORIES

Description	for type	Weight approx. kg	Order no.
Spill tray base (20 litres)	5/10, 5/20	2.5	11005
Spill tray base (20 litres)	10/10, 10/20	4	11006
Perforated plate insert for spill tray base (20 litres)	5/10, 5/20	2.2	11007
Perforated plate insert for spill tray base (20 litres)	10/10, 10/20	3.2	11008
Perforated plate insert for floor tray (30 litres)	5/10, 5/20	2.5	11060
Perforated plate insert for floor tray (30 litres)	10/10, 10/20	3.5	11061

Gas cylinder store PG 9

NEW

For installation outdoors

For proper storage of gas cylinders as per TRGS 510

- ideal for the storage of propane gas cylinders
- sturdy welded sheet metal construction, galvanised and powder-coated, RAL 7035
- vents in the doors and side walls for natural ventilation
- inclined roof for optimal water run-off
- protects against unauthorised access, lockable with cylinder lock

- hazard sticker with warning symbol enclosed for identification as hazardous material storage
- delivered fully assembled

Single-door version:

- 1-leaf door, door hinge on right
- with a galvanised grating shelf and a removable intermediate shelf as additional deck surface
- for the storage of up to 8 gas cylinders of 11 kg each or 4 gas cylinders of 33 kg each

Two-door version:

- 2-leaf door, central partition, doors to be opened independently of each other
- with 2 galvanised grating shelves and 2 removable intermediate shelves as additional deck surfaces
- for the storage of up to 16 gas cylinders of 11 kg each or 8 gas cylinders of 33 kg each



Gas cylinder store, single door version



Gas cylinder store, two-door version

GAS CYLINDER STORE

Description	External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Quantity gas cylinder	Weight approx. kg	Order no.
Gas cylinder store, single door version	85 x 70 x 150	84 x 67 x 144	8 (11 kg), 4 (33 kg)	55	11878
Gas cylinder store, two-door version	170 x 70 x 150	169 x 67 x 144	16 (11 kg), 8 (33 kg)	105	11879

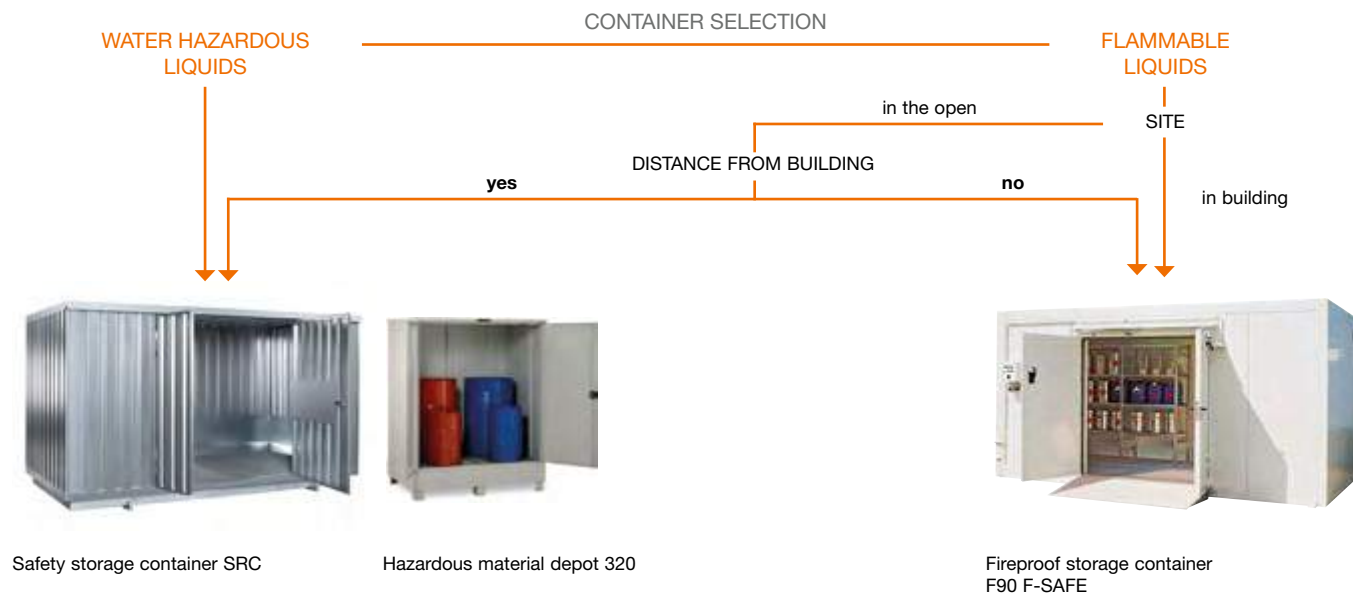
Storage of hazardous substances outdoors

It is not always possible for businesses to store hazardous substances indoors. Sometimes it is recommended to reduce risk by storing hazardous substances outdoors in suitable containers. One needs to distinguish between storage containers without fire protection features (Safety Storage Containers (SRC) and hazardous substance depots) and those with fire-resistant features (F90 fireproof container).

When storing flammable substances, EX-protective equipment is generally required due to the risk of explosion. In principle, the hazardous substances store should be fitted with a liquid-tight sump that should be certified.

The collection volume of a hazardous substance store must be capable of containing 10 % of the total volume of liquids stored, or the volume of the largest container (e.g. drum or IBC).

Please note: there are different regulations in water protection areas, if storage is permitted there



SAFE DISTANCES

When **flammable liquids** are not stored in a fireproof container, a safety distance must be maintained. This distance depends on the quantity to be stored in accordance with **TRGS (Technical Rule for Hazardous Substances) 510, Annex 5, Nr. 4, para. 2.:**

- Combined stored volume **less than 200 kg:** **3 metres**
- Combined stored volume **between 200 kg and 1,000 kg:** **5 metres**
- Active storage (see below) or combined stored volume **more than 1,000 kg:** **10 metres**

Alternatively, either fire-resistant building exterior walls (F90 in accordance with DIN 4102) or fire-resistant components between buildings and hazardous material storage in specified height and width would be sufficient, but in practice this occurs in very few cases. However, if a hazardous materials store is to be erected directly against a building, an F90 Fire proof container in fireproof material is required.

ACTIVE AND PASSIVE STORAGE OF FLAMMABLE LIQUIDS

- Passive storage is when storage takes place in tightly closed containers. During the storage containers may not be emptied or filled and even opening for other purposes is prohibited. Generally natural ventilation is sufficient.
- Active storage refers to those storage situations in which the containers are opened for dispensing or refilling. Mechanical ventilation is mandatory in these cases. An exception can be made for small hazardous substance stores (observe risk assessment).

Description	Passive storage	Active storage
Safety distance available	SRC (Depot) Natural ventilation (0.4 times air change)	SRC (Depot) Mechanical ventilation (5 times air change)
No safety distance possible	F 90 fireproof container Mechanical ventilation (5 times air change)	F 90 fireproof container Mechanical ventilation (5 times air change)

Hazardous material depot (steel) PG 9



- can be installed outdoors due to weather-resistant coating (similar to RAL7035)
- certified according to German regulation StawaR for the storage of water-hazardous (WGK 1 – 3) and flammable liquids (H224-226)
- cover can be held open as required by means of gas struts
- vents for natural ventilation
- doors can be locked
- forkliftable
- space to accommodate chemical and Euro pallets
- supplied fully-assembled
- hazard warning label included for identification as a hazardous material storage facility
- horizontal drum storage possible with installation of drum rack (optional accessory) with 2 shelves for 2 x 200 L or 3 x 60 L drums per shelf
- additional shelves for canisters etc. available with the small container rack (optional accessory)
- for the storage of flammable liquids please note the safety distances from buildings specified in the regulations TRGS 510, no. 12.4.1 (2).



Wide-opening doors for easy access



Hazardous material depot 400 with optional drum rack



Hazardous material depot 320 with optional small container rack

Description	Dimensions cm (l x w x h)	Collection volume L	Capacity	Weight approx. kg	Order no.
Steel hazardous material depot 320	150 x 120 x 189.5	320	2 x 200 L / 6 x 60 L	209	11015
Steel hazardous material depot 400	150 x 150 x 189.5	400	4 x 200 L / 9 x 60 L	250	11016

ACCESSORIES FOR STEEL HAZARDOUS MATERIAL DEPOT

Description	Dimensions cm (l x w x h)	Order no.
Drum shelf for steel hazardous material depot, horizontal drum storage, galvanised design, per shelf either 2 x 200 L drums or 3 x 60 L drums	135 x 52 x 90	11017
Small container shelf for steel hazardous material depot, 3 spill trays, galvanised design, up to 4 height-adjustable shelves	135 x 61 x 135	11018



Mobile HazMat depot see page 185.

For more hazardous material depots see page 177.

PE hazardous material depot PG 9

with General Construction Inspection Certification Z-40.22-591

- for use outdoors and indoors
- made of high-quality polyethylene (PE)
- high chemical resistance
- lockable with sturdy stainless steel bar lock
- with document pouch on inside of door
- with integral forklift pockets for loading with pallets or IBCs
- ideal for Euro pallets (120x80), industrial pallets (120x120), plastic pallets of similar size or IBCs
- loaded pallets or IBCs can be placed directly into the depot
- a steel or PE grating is not required, but can be used if required on PE hazardous material depot 220/2
- PE hazardous material depot 1100/1 is fitted with a separate, sturdy stand
- the stand is already integrated in the housing with PE hazardous material depot 220/2
- door opens to 270° for stand-alone installation
- door opens to approx. 180° for serial installation
- doors can be latched at increments of 90°
- integrated rain gutter at top of door opening
- domed roof withstands higher snow loads
- option for fitting interior lighting
- cable duct option on the rear wall



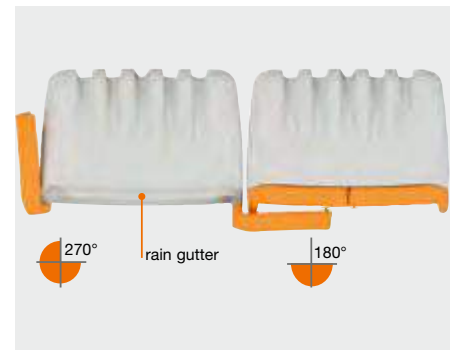
PE hazardous material depot 220/2
with Euro pallet and two drums



PE hazardous material depots 220/2
and 1100/1



PE hazardous material depot 220/1
with industry pallet and four drums



Door opening angle

Description	External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Loading capacity kg	Collection volume L	Quantity 200 L drums	Quantity IBCs	Weight approx. kg	Order no.
PE hazardous material depot 220/2	160 x 114 x 198	127 x 94 x 153	600	220	2	-	100	11550
PE hazardous material depot 1100/1	160 x 167 x 228	127 x 147 x 149	1500	1100	4	1	170	11551

PE hazardous material depot PG 9



PE hazardous material depot 1100/1 with IBC



Wind load protection



PE hazardous material depot 220/2 with drum rack type 360, steel grating as third shelf and steel grating as filling area

ACCESSORIES FOR PE HAZARDOUS MATERIAL DEPOT

Description	Overall dimensions cm (l x w x h)	Weight approx. kg	Order no.
Steel grating for PE hazardous material depot 220/2	120 x 80 x 3	12,4	11269
PE grating for PE hazardous material depot 220/2	120 x 80 x 6	8,5	11271
Drum rack type 360 for PE hazardous material depot 220/2	132 x 63 x 130	51	7643
Steel grating as third shelf for drum rack type 360	130 x 62 x 3	21	6817
Steel grating as filling area for PE hazardous material depot 220/2	150 x 27 x 3	3	11549
Interior lighting with motion sensor and battery (non-ex rated) for PE hazardous material depots 220/2 and 1100/1	-	-	10378
Wind load protection for PE hazardous material depot 220/2 and 1100/1	-	-	11360

HazMat collection station PG 9

Hazardous substance collection stations from glass fibre reinforced plastic (GRP) with General Construction Inspection Certification Z-40.12-228 granted by DIBt-Berlin

Offers centralised, safe storage for a variety of containers and liquids. The GRP sump

with splash protection wall is suitable for storage of liquids of all water-polluting classes.

The wide opening lockable lid with gas struts allows easy loading/unloading and allows outdoor use – station has galvanised floor frame with grating.



Accessory drum support see page 177



GRP HAZARDOUS SUBSTANCE COLLECTION STATION

Description	Surface area cm (l x w)	Height cm	Weight approx. kg	Order no.
Collection station with grating floor for outdoor installation (with lid), with 200 L containment volume	150 x 85	211	85	3412

Safety storage containers PG 9

This accessible container offers a compact solution for storage of a variety of hazardous materials.

By the modular principle, this can be supplied in a variety of sizes and can be tailored to individual demands on site.

Surface area coverage from 2 to 42 m²



SRC 5.1W
with 2 swing doors fitted to long side



Storage for plant pesticide
(example painted green)

- ✓ Fully-assembled model
- ✓ Galvanised sheet steel
- ✓ Alternative: Galvanised and painted (RAL 5002 ultramarine blue, other colours available on request)
- ✓ Wall and roof elements from galvanised trapeze profile corrugated sheet steel
- ✓ Floor sections made as hot dipped galvanised steel sump floor.
 - resistant to chemicals according to Chemical compatibility guide DIN 6601
 - steel S235JR according to EN 10025
- ✓ 100 mm ground clearance
- ✓ Removable floor grating (load limit 1000 kg/m²)
- ✓ Large, single swing door (width 1240 mm)
- ✓ Traversable roof (designed to withstand 125 kg/m² snow load)
- ✓ drainage via interior gutters
- ✓ Spill guards on walls to protect against spills
- ✓ Door handles inside and outside



SRC 3.1W with door on narrow side

THE CORRECT CONFIGURATION FOR EVERY APPLICATION

Type series SRC-W		Storage of water-polluting liquids (WGK [water hazard class] 1-3)	<ul style="list-style-type: none"> ✓ Sump/spill pallet, walls and roof made of sheet steel 	Example storage situation: Chemicals, water-polluting liquids
Type series SRC-N		Storage of combustible and flammable liquids (WGK 1 – 3, H224-226)	<ul style="list-style-type: none"> ✓ Sump/spill pallet, walls and roof made of sheet steel ✓ Perforations for natural ventilation (min. 0.4 air changes guaranteed) 	Example storage situation: Fuel, petrol, oils, solvents
Type series SRC-TB		Storage of temperature-sensitive, water-polluting liquids (WGK [water hazard class] 1 – 3)	<ul style="list-style-type: none"> ✓ Sump/spill pallet made of sheet steel ✓ Walls and roof made of thermal insulation material (building material class B1: flame retardant) 	Example storage situation: Pesticides, cleaning agents, chemicals, housing for dosing systems
Type series SRC-TA		Storage of temperature-sensitive, flammable liquids (WGK 1 – 3, H224-226)	<ul style="list-style-type: none"> ✓ Sump/spill pallet made of sheet steel ✓ Walls and roof made of thermal insulation material (building material class A1: non-combustible) 	Example storage situation: Sensitive paints and varnishes

* Multi-module containers from size 4.x are delivered in individual modules

Safety storage containers PG 9

STORAGE OF SUBSTANCES HAZARDOUS TO WATER (WGK [WATER HAZARD CLASS] 1-3):

Safety storage containers can be installed both indoors and outdoors.

Observe official requirements for larger storage quantities, in particular for WGK 3 (highly hazardous to water).

STORAGE OF FLAMMABLE SUBSTANCES (H224-226):

Normal case: passive storage

Four fundamental specific features must be taken into account here:

- The prescribed safety distance between material and buildings is maintained
- Sufficient ventilation is guaranteed
- The electrical equipment is explosion-proof and the container is earthed
- For versions with thermal insulation: only type series TA

Special feature: active storage

e. g. decanting, removing, filling, etc. into and from drums, IBCs and small containers

In addition to the technical requirements for passive storage, the container must have mechanical ventilation (forced ventilation) for 5 times air exchanges. We also recommend exhaust air monitoring of the ventilation system for maximum safety.



If the container location on the property does not permit a safety distance, an F90 fireproof storage unit with DIBt certification must be used. (see p. 202)



See the detailed explanation of the regulations on page 196.

EQUIPMENT OPTIONS (STANDARD OR OPTIONAL)

Natural ventilation

Min. 0.4 times air change rate confirmed by expert. Micro-perforation protects against penetration by small animals and rodents.



Mechanical ventilation

Forced ventilation for 5 times air changes.



Thermal insulation

For protection against frost and cold. Dependent on the storage medium in building material A1 or B1. Frequently used in conjunction with heating and ventilation (accessories see p.198).



Grating

In addition to the standard grating, a closer-meshed grating with better lift truck access is also available if required.



Single or double-wing doors

Single-wing door already in place creates an opening of 1240 cm (e.g. for chemical pallets), two-wing version provides significantly greater opening.



Sliding door

Convenient access. No slamming in the wind compared to winged doors. Not possible for thermo-insulated containers.



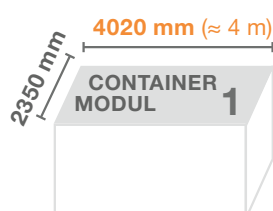
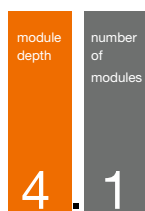
Safety storage containers PG 9

CONTAINER DESIGNATION: MODULAR DESIGN SYSTEM

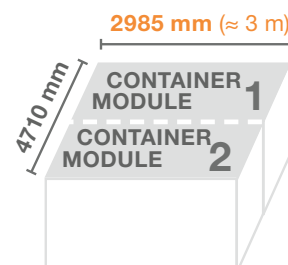
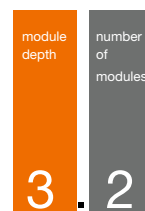
FIGURE 1: Module depth or width of the basic size (rough guideline value)

FIGURE 2: Number of assembled modules

Examples:



TYPE SRC



TYPE SERIES SRC W

FOR WATER POLLUTING SUBSTANCES/HAZMAT

Description	External dimensions cm (l x w x h)	Weight approx .kg	Collection volume L	Galvanised model		Galvanised and painted	
				Position of door		Position of door	
				Long side Order no.	Narrow side Order no.	Long side Order no.	Narrow side Order no.
Typee SRC 1.1W	235 x 91.5 x 241	230	300	8043	–	8210	–
Typee SRC 2.1W	235 x 195 x 241	440	630	8044	8743	8211	8752
Typee SRC 3.1W	298.5 x 235 x 241	650	1000	8744	8045	8753	8212
Typee SRC 3.2W	471 x 298.5 x 241	1180	2 x 1000	8745	8209	8754	8213
Type SRC 3.3W	705 x 298.5 x 241	1710	3 x 1000	8746	8749	8755	8758
Type SRC 4.1W	402 x 235 x 241	830	1000	8747	8750	8756	8759
Type SRC 5.1W	505.5 x 235 x 241	980	1000	8748	8751	8757	8760
Type SRC 6.1W	609 x 235 x 241	1300	1000	10528	10529	10530	10531

Standard sizes 4.2, 5.2, 6.2 and 6.3 on request. | On delivery: Unloading of the goods by the customer



Exception:
Only in con-
junction with
technical
ventilation
(optional, see
accessories)

TYPE SERIES SRC TB

FOR WATER POLLUTING SUBSTANCES/HAZMAT WITH THERMAL INSULATION

Description	External dimensions cm (l x w x h)	Weight approx .kg	Collection volume L	Galvanised model		Galvanised and painted	
				Position of door		Position of door	
				Long side Order no.	Narrow side Order no.	Long side Order no.	Narrow side Order no.
Type SRC 1.1TB	235 x 91.5 x 245	405	300	8214	–	8218	–
Type SRC 2.1TB	235 x 195 x 245	700	630	8215	8761	8219	8764
Type SRC 3.1TB	298.5 x 235 x 245	990	1000	8762	8216	8765	8220
Type SRC 3.2TB	471 x 298.5 x 245	1725	2 x 1000	8763	8217	8766	8221

All standard sizes of the SRC-W type series also with TB insulation. | On delivery: Unloading of the goods by the customer

TYPE SERIES SRC W ST

WITH SLIDING DOOR FOR WATER POLLUTING SUBSTANCES/HAZMAT

Description	External dimensions cm (l x w x h)	Door position on wall side	Weight approx. kg	Collection volume L	Galvanised model	Galvanised and painted
					Order no.	Order no.
Type SRC 3.1W ST	298.5 x 237 x 241	298.5	700	1000	8767	8772
Type SRC 3.2W ST	473 x 298.5 x 241	298.5	1230	2 x 1000	8768	8773
Type SRC 3.3W ST	707 x 298.5 x 241	298.5	1760	3 x 1000	8769	8774
Type SRC 4.1W ST	402 x 237 x 241	402	880	1000	8770	8775
Type SRC 5.1W ST	505.5 x 237 x 241	505.5	1020	1000	8771	8776
Type SRC 6.1W ST	609 x 237 x 241	609	1350	1000	10532	10533

Further standard sizes on request. | On delivery: Unloading of the goods by the customer

Safety storage containers PG 9

TYPE SERIES SRC N WITH NATURAL VENTILATION

Description	External dimensions cm (l x w x h)	Weight approx. kg	Collection volume L	Galvanised model		Galvanised and painted	
				Position of door		Position of door	
				Long side Order no.	Narrow side Order no.	Long side Order no.	Narrow side Order no.
Type SRC 1.1N	235 x 91.5 x 241	230	300	10339	-	10340	-
Type SRC 2.1N	235 x 195 x 241	440	630	10341	10342	10343	10344
Type SRC 3.1N	298.5 x 235 x 241	650	1000	10345	10346	10347	10348
Type SRC 3.2N	471 x 298.5 x 241	1180	2 x 1000	10349	10350	10351	10352
Type SRC 3.3N	705 x 298.5 x 241	1710	3 x 1000	10353	10354	10355	10356
Type SRC 4.1N	402 x 235 x 241	830	1000	10357	10358	10359	10360
Type SRC 5.1N	505.5 x 235 x 241	980	1000	10361	10362	10363	10364
Type SRC 6.1N	609 x 235 x 241	1300	1000	10534	10535	10536	10537

Standard sizes 4.2, 4.3, 5.2, 5.3, 6.2 and 6.3 on request! | On delivery: Unloading of the goods by the customer.

TYPE SERIES SRC TA WITH THERMAL INSULATION FOR FLAMMABLE LIQUIDS

Description	External dimensions cm (l x w x h)	Weight approx. kg	Collection volume L	Galvanised model		Galvanised and painted	
				Position of door		Position of door	
				Long side Order no.	Narrow side Order no.	Long side Order no.	Narrow side Order no.
Type SRC 1.1TA	235 x 91.5 x 247	440	300	11215	-	11216	-
Type SRC 2.1TA	235 x 195 x 247	740	630	11217	11218	11219	11220
Type SRC 3.1TA	298.5 x 235 x 247	1050	1000	11221	11222	11223	11224
Type SRC 3.2TA	471 x 298.5 x 247	1820	2x1000	11225	11226	11227	11228

All standard sizes of the SRC-W type series also with TA insulation. | On delivery: Unloading of the goods by the customer

TYPE SERIES SRC N ST WITH SLIDING DOOR AND NATURAL VENTILATION

Description	External dimensions cm (l x w x h)	Door position on wall side	Weight approx. kg	Collection volume L	Galvanised		Galvanised and painted	
					Order no.		Order no.	
Type SRC 3.1N ST	298.5 x 237 x 241	298.5	700	1000	10365		10366	
Type SRC 3.2N ST	473 x 298.5 x 241	298.5	1230	2 x 1000	10367		10368	
Type SRC 3.3N ST	707 x 298.5 x 241	298.5	1760	3 x 1000	10369		10370	
Type SRC 4.1N ST	402 x 237 x 241	402	880	1000	10371		10372	
Type SRC 5.1N ST	505.5 x 237 x 241	505.5	1020	1000	10373		10374	
Type SRC 6.1N ST	609 x 237 x 241	609	1350	1000	10538		10539	

Further standard sizes on request. | On delivery: Unloading of the goods by the customer

Please make the most of the opportunity for a consultation:

- container size and media to be stored
- equipment options
- Door layout
(long side or short side)
- option of unloading at point of use (as
standard, unloading by customer)
- requirements for on-site preparation
(e.g. foundation plan)



SRC 3.1 painted
with single-leaf
door (199.6 cm
high, 130 cm
wide) on long
side, rack and
translucent sheet
(optional, see
accessories)




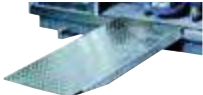














SRC 4.1, galvanised and painted

**Please note
size-related specifics:**
e.g. centre supports, restrictions to
the door position

We recommend taking out a
maintenance contract for the annual
safety inspection together with your
purchase. Talk to us!



Accessories safety storage containers PG 9

Description		Weight approx. kg	Order no.
	Shelf short, for slotting into place, shelf dimensions 100 x 50 cm, 3 shelves (load 120 kg / shelf)	34	8046
	Shelf long, for slotting into place, shelf dimensions 200 x 50 cm, 3 shelves (load 120 kg / shelf)	63	8047
	Access ramp, (not suitable for models with sliding doors) max. wheel load 450 kg, 70 x 120 cm (w x d)	34	8048
	Close-meshed grating		on request
	Double wing door, optional (199.6 cm high, door wing 125 cm wide, side wing 65 cm)		8222
	Double wing door insulated, optional (199.6 cm high, door wing 125 cm wide, side wing 65 cm)		8223
	PVC translucent sheet 90 x 200 cm to allow for daylight illumination		10270
 	Fan for mechanical ventilation in explosion-proof model (EX)		8224
	Exhaust air monitoring for mechanical ventilation		on request
 	Finned tubular radiator 910 W with thermostat for safety storage container 1.1 T up to 3.1 T in ex model		8225
	Finned tubular radiator 1680 W with thermostat for safety storage container 3.2 T in EX model		8226
	Convector heater with temperature controller (non-ex, picture similar)	2 kW	10271
		3 kW	10272
 	Linear luminaire 2 x 58 W in ex-proof version incl. switch (non-ex, located on outside of container)		8228
	Linear luminaire 2 x 58 W (non-ex) including switch (non-ex Linear luminaire 2 x 58 W (non-ex) including switch (non-ex located on outside of container))		90522
 	LED diffuser luminaire in ex-proof version incl. switch (non-ex, located on outside of container)		11580
	Fuse box IP 54 (necessary for electrical equipment)		8230
	Set of 4 crane eyelets for up to 1 t total load for safety storage container SRC 1.1, SCR 2.1 and SRC 3.1		10070
	Set of 4 crane eyelets with bars for up to 3 t total load for safety storage container SRC 3.1, SCR 4.1, SRC 5.1 and SRC 6.1		10071

Delivery/shipping costs for a one-off delivery:
Delivery ex works.

- When a delivery is made, the customer must provide a crane or forklift for unloading. Please note container weight!

- For crane unloading of container SRC x .1 with straps, the customer can also order crane lugs with our order no. 10070 or 10071 for the container.

- For crane unloading of containers SRC x .2 and SRC x .3, the customer must, in addition to the crane, order a crossbar that extends across the full width of the container.

Rack containers

These certified rack containers are always used when high storage capacities are required in the tightest space. The hazardous material storage facility can be set up for water-polluting or flammable liquids and can be individually adapted to the operational requirements.

- certified by the DIBt for the storage of water-polluting liquids (WGK 1 – 3). Flammable liquids (H224-226) are also included here (dependent on container version).

- storage capacity can be arranged at will thanks to different rack widths, 1-3 shelves and single or double rack width and depth.
- ideal for storing large quantities of drums and IBCs, dimensions match IBC, Euro and chemical pallets
- welded frame construction made of steel profiles
- adjustable levels thanks to removable, hot-dip galvanised gratings
- 100 mm ground clearance and therefore accessible for handling devices

The following versions are available:

- with wing door (single rack width) or sliding door (double rack width)
- wall model: either sheet metal (with or without natural ventilation) or thermal insulation in A1 or B1 model
- for vertical or horizontal drum storage or IBC storage
- accessible on one side (single rack depth) or both sides (double rack depth)
- extensive range of accessories (e. g. heating, mechanical ventilation, chemical-resistant model)



Safety information:

When storing flammable liquids, please pay attention to the outdoor setup and the required safety distance between liquids and buildings in accordance with TRGS 510.
Safe alternative: F90 fireproof storage (see page 202)



Vertical drum storage in 3 shelves



IBC storage over 2 shelves



Vertical drum storage in 2 shelves

POSSIBLE CONFIGURATIONS

Description	Possible rack widths in m	Rack depths (single/double)	Rack heights according to shelves	Load	Order no.
horizontal drum storage	3.00	1.34 / 1.27	2 x 0.95 / 3 x 0.77	400 kg / drum support	on request
vertical drum storage	2.70 / 3.00 / 3.90	1.34 / 1.27	1 x 2.00 / 2 x 1.24 / 3 x 1.24	1000 kg/m ²	on request
IBC storage	2.70 / 3.38 / 3.90	1.34 / 1.27	1 x 2.00 / 2 x 1.50 / 3 x 1.50	1200 kg/m ²	on request

F90 walk-in fireproof storage F-SAFE

The standardized BLS fireproof storage units were developed with the expertise gained in hundreds of hazardous material storage facilities built to individual customer specifications.

The BLS storage units are fireproof inside and outside for up to 90 minutes as required by DIN 4102. They have integrated sumps and are suitable for both indoor and outdoor use.

Each BLS storage unit is a separate fire compartment.

- F90 fire protection inside and outside
- delivered ready for use
- sturdy, welded design
- thermally insulated with a high thermal insulation value
- with integrated sump made of galvanised sheet steel

- load-bearing surface with removable, galvanised steel gratings, 1000 kg/m²
- automatically closing doors with anti-panic function
- door optionally in the narrow or long side, single- or double-leaf
- low threshold, 160 mm
- corrosion protection via 2C paint in RAL 9002 grey-white



BLS 2460 with 2-leaf door on the long side with optional access ramp*



BLS 2460 with 1-leaf door on the narrow side (similar to image)

BLS interior view with optional small parts rack

BLS 24 WALK-IN, F90

Description / Type	External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Collection volume L	Storage capacity m ²	Weight to	Order no.
BLS 2420 DIBt	215 x 241.2 x 253	179 x 220 x 210	500	3.5	2.0	on request
BLS 2430 DIBt	315 x 241.2 x 253	279 x 220 x 210	780	5.5	2.1	on request
BLS 2440 DIBt	415 x 241.2 x 253	379 x 220 x 210	1060	7.6	2.4	on request
BLS 2450 DIBt	515 x 241.2 x 253	479 x 220 x 210	1340	9.7	2.9	on request
BLS 2460 DIBt	615 x 241.2 x 253	579 x 220 x 210	1620	11.8	3.2	on request
BLS 2470 DIBt	715 x 241.2 x 253	679 x 220 x 210	1880	13.9	4.1	on request
BLS 2480 DIBt	815 x 241.2 x 253	779 x 220 x 210	2100	15.9	4.7	on request



**Ex works – Please ask
for freight rates!**



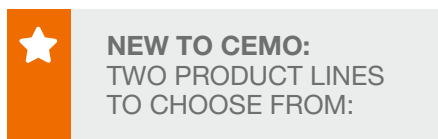
Other sizes, equipment versions and accessories such as technical ventilation, door retainer system with fire detection, heating, air-conditioning, stainless steel collection tray, access ramp, lighting, small parts racks, lightning protection, fire alarm system, fire extinguishing system, etc. upon request.

Secure cabinets FWF 30 and FWF 90 F-SAFE PG 9

Cabinets for proper storage of hazardous substances in work areas in accordance with DIN EN 14470-1 and TRGS 510 (Annex 1). The F-SAFE secure cabinets are design approved in accordance with DIN EN 14470-1 and comply with DIN EN 14727 (Laboratory Furniture Directive).

The cabinets are resistant to fire for 30 or 90 minutes.

Secure cabinet
PROline 12/20
from CEMO:
developed, tested
and manufactured
to the latest
standards



NEW TO CEMO:
TWO PRODUCT LINES
TO CHOOSE FROM:



Type 12/20 with 3 spill trays
and 1 x 44 L bottom tray



NEW

Collection volume

While the collection volume of 10 % of the total amount of stored liquids must be ensured when using collection trays, a different regulation applies in the case of secure cabinets: it must be possible to collect at least 110 % of the largest container.

Ventilation

A mechanical ventilation system (see page 208) with 10 air changes per hour has the advantage that, in normal operation with closed containers, no explosive atmosphere can occur outside the cabinet. Operation is also possible without mechanical ventilation. For this, however, the cabinet must be earthed via equipotential bonding to prevent electrostatic charging. If a secure cabinet is not connected to a mechanical ventilation system, this may also affect the explosion-proof zone. Zone

1 applies to the inside area, Zone 2 applies to the surrounding area within a radius of 2.5 m.

We generally recommend using technical ventilation (page 208 / 209).

Secure cabinets fwf 30

Secure cabinets with 90-minute fire resistance are considered to be "state of the art" in Germany. However, secure cabinets with 30-minute fire resistance may also be used with restrictions, pursuant to TRGS 510 (Annex 3).

The restrictions for FWF 30 cabinets are as follows:

1. only one cabinet is installed per separate building unit/fire (-fighting) compartment; if the area of the separate building unit/ fire (-fighting) compartment is greater than 100 m², one cabinet may be installed every 100 m², or

2. the building unit/fire (-fighting) compartment is protected by an automatic fire detection system and recognise plant fire brigade with a response time of at most 5 minutes from the alarm being raised, or an automatic extinguishing system is in place.

Exceptions in the case of extremely flammable liquids (H224):

Flammable liquids whose ignition temperature is below 200°C and which have been classified as "extremely flammable" (H224) may only be stored in FWF 90 secure cabinets with mechanical ventilation.



FIRE SAFETY

CEMO
for safe storage

The newest generation of secure cabinets

CEMO PROline PG 9

NEW

With the new generation of PROline safety cabinets, CEMO sets new standards in terms of fire prevention, durability and user-friendliness. Developed for the safe storage of hazardous materials, our cabinets offer optimised protective mechanisms, well thought-out functions, and tested safety according to the latest standards.

Discover how technological innovation and practical design elevate fire-resistant storage cabinets to a new level.



Greater safety and easy handling

- + Door closer/closing unit:** Permanently open – Permanently closed – You can choose to leave the door either permanently closed or permanently open as required without manual intervention.
- + Simplified adjustability:** For adjusting and levelling the safety cabinet, convenient adjustment is possible using levelling screws inside the cabinet body.
- + Robust transport protection:** Widened baseboards protect the levelling screws from damage during transport and installation.
- + Magnetic lock:** The magnetic lock ensures that the doors are fully locked and perfectly sealed. Good haptics when closed.
- + Maintenance opening:** Maintenance openings allow optimal and individual adjustment of the 2-bolt system to suit the on-site conditions.

CEMO PROline

Secure cabinet 6/20 and 12/20 type 90 PG 9

NEW

Complies with the newest version of DIN EN 14470-1

- 90 minutes fire resistance
- for containers up to 30 litres/60 litres (order no. 11975/12010)
- safe 2-point locking for optimal access protection
- locking mechanism activates automatically when closing the doors
- self-closing doors in the event of a fire
- door holding in an open condition as standard
- extra safety: load certification for fan centre of gravity on the top of the cabinet
- for connection to technical ventilation, diameter of ventilation opening DN75
- forkliftable, height-adjustable feet, removable base trim
- earthing point on the outside of the cabinet to avoid ignition hazards due to electrostatic charging
- optional: cable duct for installation of measuring equipment, for example
- cabinet body in grey, doors in RAL 2008/orange or in RAL 1023/traffic yellow (other colours on request)

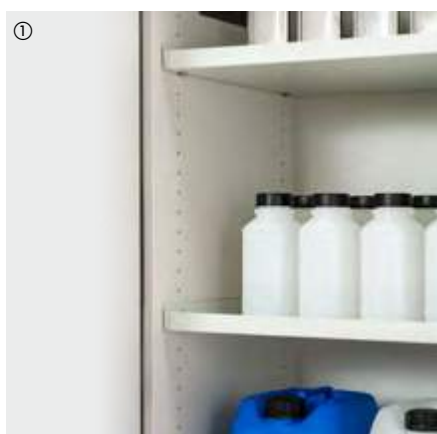
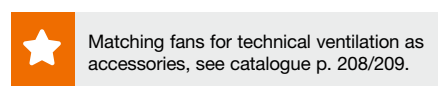
Equipment

- 3x floor plates
- height-adjustable, load capacity 75 kg, grid dimension 32 mm
- 1x bottom bund with perforated plate grating



PROline 12/20

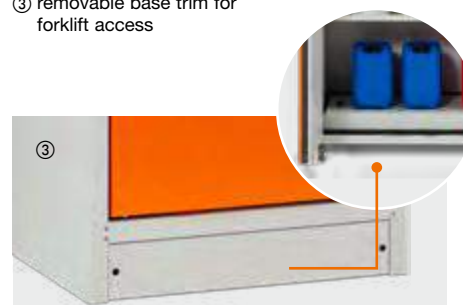
PROline 6/20



① storage of flammable liquids

② storage of containers up to 30 litres / 60 litres (11975)

③ removable base trim for forklift access



Description	Ext. dimensions cm (w x d x h)	Int. dimensions cm (w x d x h)	Collect. vol. in L	Weight (approx.) in kg	Order no.	
					Door orange	Door yellow
Safety cabinet PROline 12/20 type 90, double-wing door	120 x 60 x 195	105 x 49 x 166	33	450	11880	12009
stainless steel*					11991	-
Safety cabinet PROline 12/20 type 90, double-wing door	120 x 60 x 195	105 x 49 x 166	66	455	11975	12010
stainless steel*					11992	-
Safety cabinet PROline 6/20 type 90, door hinge left	63.5 x 60 x 195	49 x 49 x 166	33	265	11911	12011
stainless steel*					11989	-
Safety cabinet PROline 6/20 type 90, door hinge right	63.5 x 60 x 195	49 x 49 x 166	33	265	11916	12012
stainless steel*					11990	-

* Bottom bund and floor plates in stainless steel (V2A)

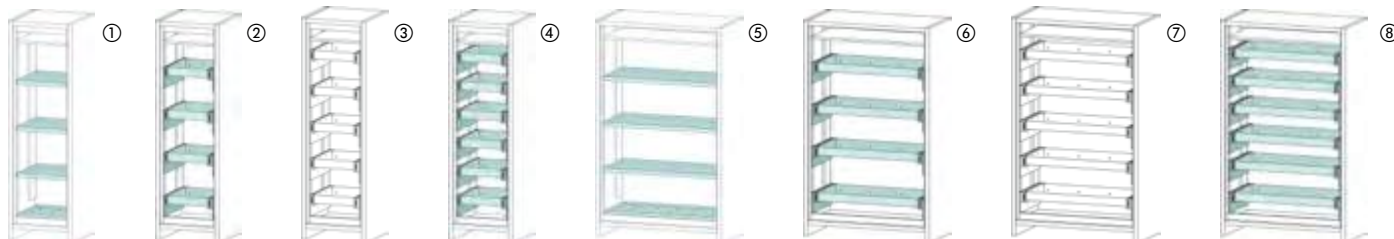
Secure cabinets FWF 30 PG 9

- with sign GS and CE
- 30 minute fire-resistance
- single-layer doors and walls in homogeneous full material
- in case of fire, self-closing vents on the top of the cabinet, DN 100 mm
- hydraulic door closer with integrated arrest system (thermally triggered) earthing to avoid the danger of ignition due to electrostatic discharge

- height-adjustable feet, can be aligned from inside
- with removable base trim so it can be driven under
- 3 height-adjustable, steel plate spill trays, powder-finished in RAL 7035, load bearing capacity 75 kg (grid size 32 mm)
- one steel plate bottom tray, powder-finished in RAL 7035 with a perforated plate insert

- fully-extending drawers for the storage of small containers, load bearing capacity 65 kg, or 11 kg for 28 L
- 6/20 with bottom tray 19 L
12/20 with bottom tray 44 L

30
min.



Description / Type		External dimensions cm (l x d x h)	Internal dimensions cm (l x d x h)	Weight approx. kg	Order no.
① 6/20 – FWF 30	3 spill trays, 1 bottom tray	59.5 x 59.5 x 196	47.5 x 51.5 x 160	147	8057
② 6/20 – FWF 30	4 full drawers	59.5 x 59.5 x 196	47.5 x 51.5 x 160	206	10622
③ 6/20 – FWF 30	5 full drawers	59.5 x 59.5 x 196	47.5 x 51.5 x 160	220	10623
④ 6/20 – FWF 30	6 full drawers	59.5 x 59.5 x 196	47.5 x 51.5 x 160	235	10624
⑤ 12/20 – FWF 30	3 spill trays, 1 bottom tray	119.5 x 59.5 x 196	107.5 x 51.5 x 160	226	8055
⑥ 12/20 – FWF 30	4 full drawers	119.5 x 59.5 x 196	107.5 x 51.5 x 160	291	10625
⑦ 12/20 – FWF 30	5 full drawers	119.5 x 59.5 x 196	107.5 x 51.5 x 160	308	10626
⑧ 12/20 – FWF 30	6 full drawers	119.5 x 59.5 x 196	107.5 x 51.5 x 160	324	10627

ACCESSORIES FOR SECURE CABINETS FWF 30 F-SAFE

Description	Order no.
Spill trays for secure cabinets 6/20 FWF 30 F-SAFE	11715
Spill trays for secure cabinets 12/20 FWF 30 F-SAFE	11716

Secure cabinets FWF 90 PG 9

Secure cabinet FWF 90 under-table model:

- GS and CE conformity marks
- 90-minute fire resistance (EN 14470-1)
- single-layer doors and walls in homogeneous full material
- self-closing doors in case of fire
- vents on top of the cabinet, DN 100 mm
- adjustable metal feet on the underside of the cabinet
- earthing to prevent electrostatic charging

Version with fully-extending drawer

- smooth-running, fully-extending drawers for the storage of small containers, load bearing capacity 65 kg
- under-table cabinet with 49 L drawer with locking function
- rollers for easy movement
- locking status display
- includes certified pipe feed-through and earth terminal

90
min.



Version with hinged doors



Version with fully-extending drawer (figure shows usage example)

Version with hinged doors

- for storage of small containers
- 24 L collection volume

Description / Type	External dimensions cm (l x d x h)	Internal dimensions cm (l x d x h)	Weight approx. kg	Order no.
11/6-FWF with hinged doors	110 x 50 x 67	101.5 x 35 x 53	185	8060
11/6-FWF with drawer	110 x 57 x 63	87 x 43 x 46.4	235	11024

CEMO PROline

Secure cabinet 6/20 and 12/20 type 90 PG 9

Complies with the newest version of DIN EN 14470-1

- 90 minutes fire resistance
- for containers up to 30 litres
- safe 2-point locking for optimal access protection

- locking mechanism activates automatically when closing the doors
- self-closing doors and drawers in the event of a fire
- for connection to technical ventilation, diameter of ventilation opening DN75
- forkliftable, height-adjustable feet, removable base trim
- earthing point on the outside of the cabinet to avoid ignition hazards due to electrostatic charging

- cabinet body in grey, doors in RAL 2008/ orange or in RAL 1023/traffic yellow (other colours on request)

Equipment

- 4 to 6 fully extending drawers (see table on page 15) with a load capacity of 75 kg per drawer 1x bottom bund

90 min.



PROline 12/20

PROline 6/20 with 4 fully extending drawers and bottom bund



PROline 12/20 with 4 fully extending drawers and bottom bund

	Number of drawers	Ext. dimensions cm (w x d x h)	Int. dimensions cm (w x d x h)	Collect. vol. in L	Weight (approx. x.) in kg	Door orange	Door yellow
6/20 type 90, door hinge left	4	63.5 x 60 x 195	49 x 49 x 166	33	297	12017	12026
6/20 type 90, door hinge right	4	63.5 x 60 x 195	49 x 49 x 166	33	297	12018	12027
6/20 type 90, door hinge left	5	63.5 x 60 x 195	49 x 49 x 166	33	307	12019	12028
6/20 type 90, door hinge right	5	63.5 x 60 x 195	49 x 49 x 166	33	307	12020	12029
6/20 type 90, door hinge left	6	63.5 x 60 x 195	49 x 49 x 166	33	317	12021	12030
6/20 type 90, door hinge right	6	63.5 x 60 x 195	49 x 49 x 166	33	317	12022	12031
12/20 type 90, double-wing door	4	120 x 60 x 195	105 x 49 x 166	33	488	12023	12032
12/20 type 90, double-wing door	5	120 x 60 x 195	105 x 49 x 166	33	503	12024	12033
12/20 type 90, double-wing door	6	120 x 60 x 195	105 x 49 x 166	33	518	12025	12034

ACCESSORIES FOR PROLINE 6/20 AND 12/20 TYPE 90

Description	Collect. vol. in L	Dimensions cm (w x d x h)	Weight (approx.) in kg	Order no.
Additional floor plate 6/20	-	45 x 44 x 4	2.5	11912
Additional floor plate 12/20	-	105 x 44 x 4	6.5	11881
Cable duct 6/20 and 12/20 (in cabinet ceiling, for self-assembly)	-	-	-	11884
Accessory pack for active storage For active storage (decanting, filling of hazardous materials in the secure cabinet), the cabinet interior must be earthed.	-	-	-	12074
Bottom bund 6/20 with perforated plate grating	66	48.5 x 47 x 40	16	12041
Bottom bund 12/20 with perforated plate grating	66	105 x 47 x 17	18	12013
STAINLESS STEEL VERSION V2A				
Additional floor plate 6/20 for PROline	-	45 x 44 x 4	2.5	11993
Additional floor plate 12/20 for PROline	-	105 x 44 x 4	6.5	11994
Bottom bund 6/20 with perforated plate grating for PROline	33	48.5 x 47.5 x 17.5	10.5	12042
Bottom bund 12/20 with perforated plate grating for PROline	33	105 x 47.5 x 9	15	12043
Bottom bund 12/20 with perforated plate grating for PROline	66	105 x 47 x 17	18	12014

Ventilation systems PG 9 for secure cabinets FWF 30 and FWF 90

Escaping vapours and hazardous gas-air mixtures are always possible when flammable liquids are stored in secure cabinets. These Ex-zones form not only inside a secure cabinet, but can also arise within a radius of several metres around it.

Suitable ventilation systems can remove escaping vapours and gases directly where they are produced, effectively preventing an explosive atmosphere forming. Subdivision into Ex-zones is no longer necessary.

There are two different ventilation systems:

- exhaust air fans, which discharge the extracted air to the outside through an exhaust line
- recirculation fans, which pass the extracted air through integrated filters and thereby render it harmless with regard to explosion hazard before discharging it into the environment



Note from **TRGS 510**, Appendix 1:
Not only fire resistance class FWF 90 but also mechanical ventilation systems are required for extremely flammable liquids (H224).



The ventilation systems on pages 208 / 209 can be used for our environmental cabinets as well.

EXHAUST AIR FAN WITH AIRFLOW MONITORING

For placement on the secure cabinet and discharge of the extracted air into an external exhaust line

- sheet steel housing, powder-coated, light grey RAL7035
- floating output via DIN socket
- intake fitting diameter 75 mm
- output volume: 50 – 200 m³/h with volume flow monitoring
- sound pressure level Lp2A: 35 dB(A)
- voltage: 230 V
- frequency: 50 Hz
- power consumption: max. 0.45 A



Ready to go solutions
for extraction from Ex-zone 2
and installation in Ex-free zone
protection class: CE II _/3 G IIB T4

Description	External dimensions cm (l x w x h)	Weight approx. kg	Order no.
Exhaust air fan SST AL with adapter SST-P for FWF90	42.5 x 25 x 25.5	8	8739

RECIRCULATION FAN WITH ACTIVE CARBON FILTER

Plug&play recirculation fan with active carbon filter for discharging the exhaust air directly to outdoors.

- sheet steel housing, powder-coated, light grey RAL7035
- incl. active carbon, coarse and fine filters
- saturation level monitoring for filters
- floating output via DIN socket
- intake fitting diameter 75 mm
- output volume: 25 m³/h with volume flow monitoring
- sound pressure level: 38 dB(A)
- voltage: 230 V
- frequency: 50 Hz



Advantages:

- no exhaust pipe to outside required
- no wall opening required

Ready to go solutions
ATEX-compliant:
for extraction from Ex-zone 2
and installation in Ex-free zone
protection class: CE II _/3 G IIB T4

Description	External dimensions cm (l x w x h)	Weight approx. kg	Order no.
Recirculation fan SST UL with adapter SST-P for type FWF90	50 x 28.5 x 29.5	20	10963
Replacement filter set for recirculation fan SST UL	-	-	10964

Ventilation systems PG 9 for secure cabinets FWF 30 and FWF 90

RADIAL FAN 230 V

Model 1

made of flame retardant PPS

- with mounting bracket
- intake fitting diameter: 75 mm
- voltage: 230 V
- frequency: 50 Hz
- nominal current: 0.95 A
- output volume: 250 m³/h
- operating speed: 2850 rpm
- sound pressure level: 45 dB(A)



ATEX-compliant:

for extraction from Ex-zone 2
and installation in Ex-free zone
protection class:
CE II 2G Ex h IIB T3 Gc

Description	External dimensions cm (l x w x h)	Weight approx. kg	Order no.
Radial fan 230 V (model 1)	24.6 x 21.6 x 30	4	11431

RADIAL FAN 230 V

Model 2

made of flame retardant PPS-el

- with mounting bracket
- intake fitting diameter: 75 mm
- voltage: 230 V
- frequency: 50 Hz
- nominal current: 1.07 A
- output volume: 150 m³/h
- operating speed: 2800 rpm
- sound pressure level: 55 dB(A)



ATEX-compliant:

for extraction from zone 1 and
installation in zone 1
Motor: II 2G Ex eb IIC T4 Gb
Fan: II 2G Ex h IIB T4 Gb

Description	External dimensions cm (l x w x h)	Weight approx. kg	Order no.
Radial fan 230 V (model 2)	39 x 22 x 40.8	6	11432

RADIAL FAN 230 V

Model 3

made of flame retardant PPS-el

- with mounting bracket
- intake fitting diameter: 75 mm
- voltage: 3~ 230/400 V
- frequency: 50 Hz
- nominal current: 0.62 A
- output volume 150 m³/h
- operating speed: 2825 rpm
- sound pressure level: 55 dB(A)



ATEX-compliant:

for extraction from zone 1 and
installation in zone 1
Motor: II 2G Ex eb IIC T4 Gb
Fan: II 2G Ex h IIB T4 Gb

Description	External dimensions cm (l x w x h)	Weight approx. kg	Order no.
Radial fan 380 V (model 3)	37.7 x 22 x 38	6	11433

ACCESSORIES FOR RADIAL FANS

Description	Order no.
Throttle valve, DN 75 mm, PPs	11434
Intake fitting, ND 100 – 75 mm, incl. clamp	11435
Sleeve extension, DN 75 mm	11436
Fitting extension, DN 75 mm	11437
Ventilation hose L = 750 mm, DN 75 mm, incl. two clamps	11438
Ventilation hose L = 2,000 mm, DN 75 mm, incl. two clamps	11439
T-piece, DN 75 mm	11440

Storage and charging of lithium batteries

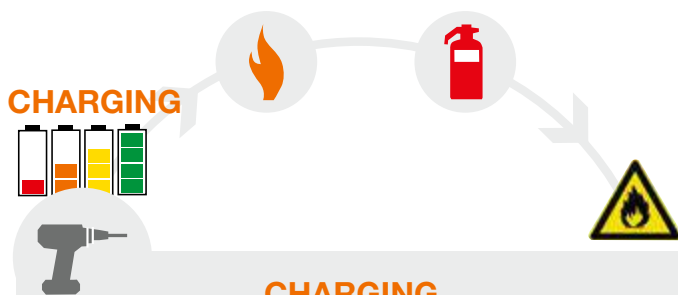
The importance of lithium batteries is increasing constantly in our everyday lives. These powerful batteries are increasingly being used not only in small mobile devices or in bicycles (e-bikes) but, correspondingly sized, also in industrial appliances, vehicles and machines. Lithium batteries are powerful, but not without their hazards. Lithium batteries have long been classified as hazardous goods under transport law and are therefore subject to meticulous hazardous materials regulations which become stricter every 2 years. Lithium batteries require the utmost care during

transport and particularly during storage and handling. If damaged or if handled incorrectly, these batteries can quickly lead to dramatic consequences, usually in the form of a fire. One reason why storing lithium batteries poses a fire safety challenge is that they are not under constant observation, and a fire can spread quickly and unnoticed.

The typical incidence of damage involves the battery igniting and explosively emitting jets of flame and toxic smoke.

Summary of the possible causes of fire:

- mechanical damage (e.g. impact, fall)
- improper charging process
- deep discharging
- overheating due to high ambient temperature



CHARGING

Most of the lithium battery-related fires studied in Germany occurred during the charging process. Safety specialists, fire brigades and property insurers are therefore paying closer attention to this threat.

Unfortunately, practical experience has shown us that there are many (deliberately or unintentionally) incorrect ways to charge batteries. Even a lithium battery which looks perfectly intact from the outside can already be damaged enough on the inside that adding electrical energy via the charger can cause a fire hazard. Charging stresses a lithium battery. Frequent charging, hard use and wear place a burden the battery to the point that any charging process could be the last one.

Charged lithium batteries pose a higher fire hazard (cause) and burn more intensely (effect). Therefore, the charging process must never be underestimated and must always take place under supervision at a designated location. Charging in the workplace therefore requires a risk assessment which takes into account the risk to employees and the environment, as well as the building layout. These findings should be included in the fire prevention plan.

Overheating due to causes such as direct sunlight or heat build-up during charging must also be avoided.



Practical tip:

Charge and store lithium batteries separately!



More Information: www.battery-secure.com



Important:

Lithium batteries are mentioned in German Regulation **TRGS 510**. Due to their higher hazard level, appropriate fire protection measures must be taken.

STORAGE

So far, there are no statutory regulations for the storage and supply of lithium batteries. Occupational safety obligations and, above all, insurance guidelines nevertheless mean that the information to be observed regarding the storage and operation of lithium batteries is just as comprehensive as that applicable to traditional hazardous materials storage.

VdS Guideline 3103 from the German Insurance Association (GDV) is a current source of important information about storing and supplying lithium batteries.

Storage also involves the danger of a nearby fire spreading to the lithium batteries. A small, extinguishable fire source can then become a major challenge to the fire brigade.

A risk assessment in combination with the right charging and storage solution effectively improves safety in the workplace. Not all lithium batteries are the same. Therefore, there is no "one size fits all" protection scheme. In addition, the information provided by the manufacturers of energy storage devices and battery-operated devices must be observed at all times. Suitable technical protective measures, such as tested transport containers, safety cabinets or even fire protection containers, always depend on the circumstances in the workplace.

CHARGING + STORAGE



Storage and charging of lithium batteries

CEMO safety note

Safety rules for charging

- Never charge in the storage area.
- Maintain a clearance of several metres from combustible objects.
- Never charge damaged or faulty batteries.
- Avoid heat build-up during charging.
- Use only the original charger.
- Immediately disconnect the battery from the mains after charging.
- Avoid charging overnight.
- Unsupervised charging poses a higher risk.

Fire extinguishing is still the most disputed topic regarding lithium batteries. Although small quantities of water can worsen the reactions of lithium-ion batteries, large quantities have a cooling effect and, in the ideal case, can interrupt the thermal runaway process.

The fire brigade also fight fires with plenty of water, which at least prevents the flames spreading to the surroundings. It is therefore crucial to alert the fire brigade as soon as possible so they can extinguish the fire.

Safety rules for storage

- Protect against short circuit of the battery poles.
- Protect against mechanical damage.
- Separate storage, i.e. no mixed storage.
- When storing batteries inside buildings, maintain a distance of 2.5 m from other installations or store them in areas that are isolated in terms of fire prevention (e. g. fire protection containers, safety cabinets).
- Immediately dispose of damaged products properly, even in case of slight abnormalities.
- Do not expose directly and permanently to high temperatures.
- Train employees how to handle lithium batteries properly.
- Provide suitable fire extinguishers.

Damaged/defective batteries, prototypes or batteries for disposal require a hazard assessment and possibly additional protective measures.

Additional storage solutions for lithium batteries

STEEL CONSTRUCTION

F90 F-SAFE fire protection container
with DIBt certification



F90 F-SAFE fire protection container
with DIBt certification



Also available as
a shelf container



CONCRETE CONSTRUCTION

F90 F-SAFE fire protection storage cell



F90 F-SAFE fire protection storage
walk-in version





How to find the right product for your application:

Tool cabinet

PROline
6/20, 12/20

Battery storage
cabinet **FMplus**
size US

Battery storage and
charging cabinet
lockEX
8/5, 8/10, 8/20



Safety class	Tool cabinet Simple sheet steel cabinet Protection against unauthorised access	<div>+</div> Battery safety cabinet	<div>++</div> Double-walled steel cabinet	<div>+++</div> Fire-resistant fire prevention cabinet
Capacity			up to 1.1 kWh	up to 12 kWh
Explosion protection (battery fire testing)			<div>✓</div>	<div>✓</div>
Protection: fire from inside			<div>✓</div>	<div>✓</div>
Protection: fire from outside in minutes 0/30/60/90		90		30
BBT Index (Battery fire suitability)		<div>🔥</div>	<div>🔥</div> <div>🔥</div>	<div>🔥</div> <div>🔥</div> <div>🔥</div>
Certifications		<div>🏆</div> DIN EN14470-1	<div>🏆</div> TÜV NORD	<div>🏆</div> TÜV NORD + VDMA ¹⁾

¹⁾ VDMA standard sheet 24994:2024-08

What happens when lithium batteries catch fire?

A fire involving lithium batteries is more than the appearance of just a few flames; this is because the electrical energy is released in a burst of thermal energy and leads to a rapid increase in temperature. The thermal runaway of a cell and the spread of fire to other cells in the battery pack (thermal propagation) is described as explosive burning, which looks like an intense firework. Further observations include the emission of heavy smoke and particles being flung around like projectiles.

The greatest danger occurs during a gas explosion, when escaping battery vapours suddenly ignite, exerting an explosive pressure of several bar on cabinets or containers. If these are not designed to cope, the result can be the total failure of their intended protective effect.

This is why battery fire testing and induced gas explosions are so important as proof of performance for cabinets and battery safety products.



Extract from TRGS 510

Technical rules for hazardous materials in mobile containers

13 Combined storage, divided storage and separate storage

[...]

13.2 General principles

[...]

(3) Instructions for a possible increase in danger [...] can arise from, for example, [...]

3. the product-specific hazards, such as, for example, the hazard posed by ignition sources due to a short-circuit involving lithium batteries.

(5) To reduce hazards, divided storage within a storage compartment or separate storage may be required:

1. Divided storage is achieved through sufficient distances or barriers (e.g. walls, cabinets made from non-flammable materials, [...])

2. Separate storage is divided storage in different storage compartments with a fire rating of at least 90 min.

As at 2021

What does that mean for the use of cabinets and containers?

TRGS 510 provides only a recommendation for the minimum standard and can be replaced by more effective protective measures at any time.

The indicated fire rating of a cabinet or container plays a less important role, as these systems are assessed only at the test kiln and the assessment is therefore restricted only to fire and/or heat.

The most up-to-date qualification process therefore involves several real battery fire tests and induced gas explosions. This method makes it possible to demonstrate that the housing system remains intact and that the doors remain closed, even in an abnormal fire caused by lithium batteries. A gas explosion does not occur in every battery fire, but when it does, the consequences can be devastating.

Conclusion:

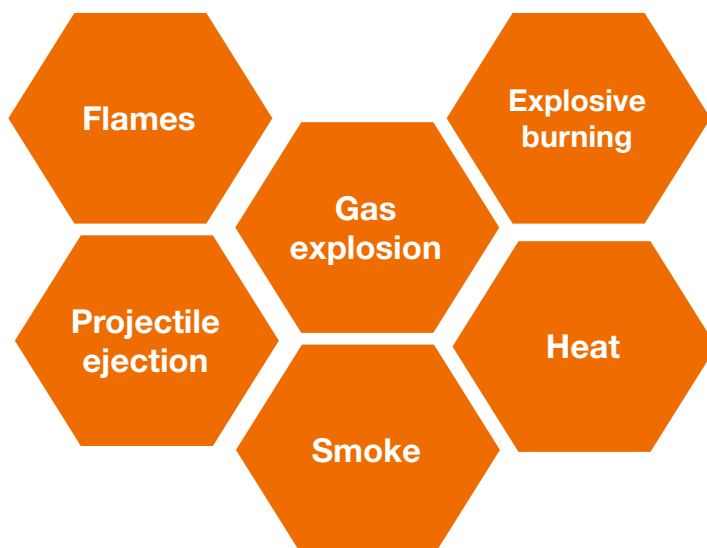
The actual product qualification is decisive. In the case of lithium batteries, focusing on the time indicated by the fire rating alone is therefore unhelpful. The battery cabinets from CEMO with a fire rating of 60 minutes (inside to outside) or the flame protection cabinets as lightweight fire protection products can therefore, with further qualification measures, be assessed as safer than other cabinet systems on the market that only have a fire rating of 90 minutes.

Which product qualification is recommended?



TÜV Nord testing programme
type tested in 2023 with TÜV NORD certification awarded

Please feel free to contact us.



Battery flame protection cabinet FMplus PG 9

Leaving even a single lithium battery from a battery-powered device lying around in the open could be enough to ignite a fire. Based on the risk assessment, this double-walled steel cabinet can be used as a protective measure for new lithium batteries from devices such as power tools or garden equipment.

The cabinet is available in three sizes:

- sturdy, heat-insulating double-walled steel cabinet
- lockable door with three-point lock
- can be locked with a padlock if necessary (profile half cylinder lockable)
- Cold smoke seals help prevent smoke escaping the cabinet
- vent for proper connection to the exhaust pipe to the outdoors
- forklift access clearance (8 – 9 cm) for positioning and removal in the event of an incident
- equipped with smoke detector for audible alarms as standard
- powder coating body light grey (RAL 7035) and door light red orange (RAL 2008)
- includes warning labels and safety instructions

Based on the risk assessment, this double-walled steel cabinet can be used as a protective measure for new lithium batteries from devices such as power tools or garden equipment.

Safe and cost-effective storage: FMplus, the entry-level model.



FMplus L



FMplus S



US version with charger:

- 1 power socket per shelf
- battery-operated smoke alarm
- power disconnection in case of fire
- door contact switch for interrupting the charging current if the doors are open

NEW



FMplus US with charger



FMplus US



From autumn 2023, the US version is also available with the latest certification from the TÜV NORD Group.



Accessories: Set of castors



Accessories: Cable duct



Accessories: Adapter for ventilation line

Description	Shelves	External dimensions in cm (w x d x h)	Internal dimensions in cm (w x d x h)	Weight approx. kg	Order no.
Battery storage cabinet FMplus US	2	43 x 43 x 56	35 x 35 x 46	27	11651
Battery charging cabinet FMplus US	2	43 x 43 x 56	35 x 35 x 46	30	11877
Battery storage cabinet FMplus S	3	59 x 46 x 89	51 x 38 x 79	47	11652
Battery storage cabinet FMplus L	4	60 x 46 x 165	52 x 38 x 154	83	11653

ACCESSORIES

Description	Order no.
Insert shelf for FMplus S battery storage cabinet	11655
Insert shelf for FMplus L battery storage cabinet	11656
Set of castors for FMplus battery storage cabinet	11657
Second smoke detector (can be networked with internal smoke detector)	11658
Padlock with profile half-cylinder NP 30 – 12 mm	11659
Cable duct for FMplus battery storage cabinet (e.g. for installation of in-house fire alarms)	11660
Adapter for ventilation line for FMplus battery storage cabinet	11661

Battery storage and charging cabinet PG 9

Fire protection is a high priority when storing and charging lithium batteries.

CEMO has been offering a safe solution since 2020, developing it further in line with the latest knowledge and obtaining the latest certifications. Equipped with important safety features, the fire consequences of these battery storage systems can be reduced to a minimum and operational safety significantly increased.

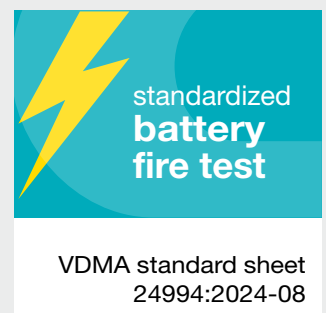
- Charging and/or storing multiple lithium batteries in the cabinet
- early alarm in case of damage
- all relevant safety regulations for charging lithium batteries are observed
- ideal for separating batteries on charge from stored units
- can also be used as an under-table cabinet under the workbench
- Tested with standardized, real battery fire tests according to VDMA standard sheet 24994 and TÜV Nord test program
- Withstands a battery fire, ensures no escape of flames and flames and sparks
- built using non-combustible, fire-resistant components

- Spring-based CEMO lockEX door locking for controlled pressure relief during explosions
- special fire prevention seals prevent flames escaping
- cold smoke-tight sealing system for openings
- transportable for positioning at the place of installation
- lockable double doors with sturdy lock and hinges
- doors painted orange, matching RAL 2004; body grey, matching RAL 7035

Type	Battery charging cabinet Basic	Battery charging cabinet Premium	Battery charging cabinet Premium Plus
Smoke alarms	•	•	•
Fan for charging heat dissipation	•	•	•
Charging stop when door is opened (door contact switch)	•	•	•
Currentless switching with heat development	•	•	•
De-energized circuit in case of smoke development		•	•
Connection option via potential-free contact to company-internal building management system		•	•
Remote alarm via per SMS			•
Remote alarm via App			•
Digital display on the outside			•

New test programme new state of technology

CEMO battery charging cabinets have been tested and already comply with the new state of technology according to VDMA standard sheet 24994 and TÜV Nord test program.



Certificates at
www.cemo-group.com/certificates

The 3 proofs of safety and quality

Test component of the new certification programme of the TÜV NORD Group.



Battery storage and charging cabinet PG 9

Fire prevention meets explosion protection

CEMO now also has the solution for explosion protection.

Sequence of a battery fire:

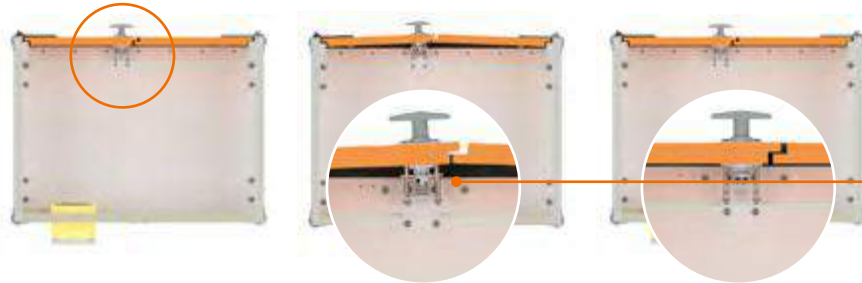
An explosion can happen even before a thermal runaway occurs. If the cabinet housing gives way or the doors open, the protective effect can be instantly lost. There is then nothing to prevent the burning cells and battery packs being ejected into the area around the cabinet.

The solution:

CEMO lockEX is a spring-based mechanism in the door lock that effectively manages the explosive pressure of gases that ignite inside the cabinet. This NO-BANG technology guarantees that the protective effect is maintained.



OPERATING PRINCIPLE OF THE LOCKEX LOCKING MECHANISM (PLAN VIEW)



1. Battery failure begins, cells emit flammable vapours which spread throughout the cabinet.

2. An ignition source (possibly initiated by electrical sparks or the build-up of heat inside the battery itself) results in an explosion/ignition of the gas. The lockEX mechanism releases the explosive energy in a controlled way through a narrow gap.

3. The doors are locked again and the batteries can continue reacting without causing any danger. The cabinet system remains operational and protects the employees and the surroundings.

lockEX[®]
inside



Battery storage cabinet 8/5



Battery charging cabinet 8/10
Optionally with castors.



Battery storage cabinet 8/10
with 1 shelf as standard at half height.
Optionally 2 more shelves possible
(see accessories).

BATTERY STORAGE CABINETS

Description		External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Weight approx. kg	Order no.
Battery storage cabinet 8/5	Two battery-operated audible smoke detectors - without power connection, without fan -	80 x 66 x 52	73 x 53 x 45	80	11890
	Additionally with stacking feet*	80 x 66 x 62	73 x 53 x 45	83	11891
Battery storage cabinet 8/10	With stacking feet*, two battery-operated audible smoke detectors - without power connection, without fan	80 x 66 x 111	73 x 53 x 91	132	11898
	With castors, two battery-operated audible smoke detectors - without power connection, without fan	80 x 66 x 115	73 x 53 x 91	144	11722
Battery storage cabinet 8/20	With feet, three battery-operated audible smoke detectors - without power connection, without fan	80 x 66 x 213	73 x 53 x 182	266	12047

* required when stacking the cabinets

Battery storage and charging cabinet PG 9

For all charging versions:

- heat dissipation by fan during charging
- charging current is interrupted if the doors are opened
- charging stops if a malfunction or accident occurs
- vents sealed with thermocouples
- 230V model with 1-phase power supply (3500 W / 16 A)
- 400V model with 3-phase power supply (2x3500 W / 2 x 16 A)

Battery charging cabinet 8/5

- power supplied by 9-socket power strip (3500 W, 16 A)
- up to 2 storage levels

Battery charging cabinet 8/10

- Charging versions with 2 horizontally arranged 9-socket power strip for power supply
- up to 4 storage levels

Akku-Ladeschrank 8/20

- Charging versions with 4 horizontally arranged 9-socket power strip for power supply
- 8 storage levels
- Fire compartment for subdividing the cabinet contents

NEW

12 kWh

3 kWh

Battery charging cabinet 8/5 Basic



Battery charging cabinet 8/20 Premium



Battery charging cabinet 8/10 Premium Plus 3-phase



TIP: The 3-phase version is necessary if, for example, batteries are to be charged with fast chargers that have a greater current requirement than the 1-phase version can provide.



All versions with audible alarm. Premium and Premium Plus: Now with improved connection option for combination alarm transmitter (12V) and connection to fire alarm system.



BATTERY CHARGING CABINETS

Description	Type	Ext. dimensions cm (l x w x h)	Int. dimensions cm (l x w x h)	Weight approx. kg	Order no.
Battery charging cabinet Basic	8/5 1-phase	80 x 66 x 52	73 x 53 x 45	81	11892
	8/5 with stacking feet* 1-phase	80 x 66 x 62	73 x 53 x 45	84	11893
	8/10 with stacking feet* 1-phase	80 x 66 x 111	73 x 53 x 84	135	11899
	8/10 with stacking feet* 3-phase	80 x 66 x 111	73 x 53 x 84	136	11900
	8/10 with castors 1-phase	80 x 66 x 115	73 x 53 x 84	146	11723
	8/10 with castors 3-phase	80 x 66 x 115	73 x 53 x 84	147	11726
	8/20 with feet 1-phase NEW	80 x 66 x 213	73 x 53 x 176	267	12048
	8/20 with feet 3-phase NEW	81 x 66 x 213	73 x 53 x 176	268	12049
Battery charging cabinet Premium	8/5 1-phase	89 x 66 x 52	73 x 53 x 45	82	11894
	8/5 with stacking feet* 1-phase	89 x 66 x 62	73 x 53 x 45	85	11895
	8/10 with stacking feet* 1-phase	89 x 66 x 111	73 x 53 x 88	135	11901
	8/10 with stacking feet* 3-phase	95 x 66 x 111	73 x 53 x 88	136	11902
	8/10 with castors 1-phase	89 x 66 x 115	73 x 53 x 88	146	11724
	8/10 with castors 3-phase	95 x 66 x 115	73 x 53 x 88	147	11727
	8/20 with feet 1-phase NEW	89 x 66 x 213	73 x 53 x 176	267	12050
	8/20 with feet 3-phase NEW	89 x 66 x 213	73 x 53 x 176	268	12051
Battery charging cabinet Premium Plus	8/5 1-phase	89 x 66 x 52	73 x 53 x 45	82	11896
	8/5 with stacking feet* 1-phase	89 x 66 x 62	73 x 53 x 45	85	11897
	8/10 with stacking feet* 1-phase	89 x 66 x 111	73 x 53 x 88	135	11903
	8/10 with stacking feet* 3-phase	95 x 66 x 111	73 x 53 x 88	136	11904
	8/10 with castors 1-phase	89 x 66 x 115	73 x 53 x 88	146	11725
	8/10 with castors 3-phase	95 x 66 x 115	73 x 53 x 88	147	11728

* required when stacking the cabinets



Special application for fire alarm systems

NEW

Battery cabinets for fire alarm systems:

The current battery cabinets from CEMO, available in the versions **Premium** and **Premium Plus**, are designed to send the alarm through to an in-house fire alarm system or internal warning device via the voltage-free contact. This means that it is not possible to create a permanent link to a fire alarm system with a direct connection to the fire service.

There are now special cabinet versions that are designed for the fire alarm equipment

to be installed in the cabinets by fire alarm specialists, which will be necessary depending on the requirements on site or the manufacturer-specific system compatibility.

Ask for our "Information sheet for battery cabinets for use with fire alarm systems" and talk to your fire alarm specialist.

Version for fire alarm system:

2x cable ducts for self-installation, for flexible installation of your individual fire alarm

equipment by a fire alarm specialist

Storage cabinet:

Two battery-operated audible smoke detectors

Charging cabinet:

Two battery-operated, audible smoke detectors, power supply in the cabinet with socket strip(s), technical ventilation, power disconnection in case of heat build-up or using a door contact switch

BATTERY CABINETS FOR FIRE ALARM SYSTEMS

Description	External dimensions cm (l x d x h)	Internal dimensions cm (l x d x h)	Weight approx. kg	Order no.
Battery storage cabinet 8/5 for fire alarm systems	83 x 66 x 52	73 x 53 x 45	82	11885
Battery storage cabinet 8/10 for fire alarm systems (with stacking feet)	83 x 66 x 111	73 x 53 x 91	137	11886
Battery charging cabinet 8/5 1-phase for fire alarm systems	83 x 66 x 52	73 x 53 x 45	85	11887
Battery charging cabinet 8/10 1-phase for fire alarm systems (with stacking feet)	83 x 66 x 111	73 x 53 x 84	139	11888
Battery charging cabinet 8/10 3-phase for fire alarm systems (with stacking feet)	83 x 66 x 111	73 x 53 x 84	140	11889

Modular system Battery storage and charging cabinets

NEW

Thanks to the **modular cabinet concept**, the secure storage space can grow with the needs of the business.

- Variable heights in 62 cm increments (8/5) or 111 cm (8/10)

- Variable subdivision of storage levels: One to four storage levels per 111 cm (8/10)
- Fire chamber-tested, stackable modular system for customised assembly
- Signals (Premium/Premium Plus model

- range) can be linked to several cabinets
- Assignment of task areas to dedicated battery cabinets possible
- Easy to move due to stacking at the installation site
- Simple assembly

COMBINATION OPTIONS BATTERY STORAGE AND CHARGING CABINETS

Combinations	K 8/22		K 8/19			K 8/17		K 8/12		8/10	8/5	8/5
Overall height cm	222		186			173		124		111	62	52
Models*	8/10	8/10	8/5	8/5	8/5	8/5	8/10	8/5	8/5	8/10	8/5	8/5
Max. number sockets	36		27			27		18		18	9	9
Max. number of storage levels	up to 8		up to 6			up to 6		up to 4		up to 4	up to 2	up to 2
Ext. dimensions** cm (l x d x h)	80 x 66 x 222		80 x 66 x 186			80 x 66 x 173		80 x 66 x 124		80 x 66 x 111	80 x 66 x 62	80 x 66 x 52
Overall weight** approx. kg	270		252			219		168		135	84	81

Information:

- battery storage cabinets 8/10 cannot be stacked on battery storage cabinets 8/5
- battery storage cabinets 8/5 may be stacked a maximum of three high
- battery storage cabinets 8/10 may be stacked a maximum of two high

*The Premium/Premium Plus 3-phase versions are 89 cm (8/5) and 95 cm (8/10) wide

**The Premium/Premium Plus 3-phase versions vary slightly in weight



For details on the individual modules see pages 216 and 217.

Battery storage and charging cabinet ACCESSORIES PG 9

- ① Extremely flexible, eg. for cabling of the in-house fire alarm system
- ② Stacking feet, set
- ③ Combination alarm unit (strobe light)
Visual and audible alarms if an accident occurs, enabling additional protective measures to be taken promptly
- ④ Set of two network-capable smoke alarms (audible). Included in "Storage" and "charging Basic" as standard.
- ⑤ Effective aerosol extinguishing agent for lithium batteries, for initial, rapid extinguishing and flame suppression, automatic pyrotechnical triggering, maintenance free
- ⑥ Ideal for making the best possible use of available space and enlarging the storage area for small-cell lithium batteries (bear in mind the total capacity of the lithium batteries in the event of a fire)
- ⑦ Simple relocation in the building and removal in the event of an accident; two of the four steering castors are fitted with an integral foot brake



- ⑧ Shelves can be adjusted to the ideal working height; cabinets can be loaded using a high-platform truck or forklift; including wall mounting materials



Forkliftable for simple positioning and rapid removal to the outdoors in the event of a fire



ACCESSORIES FOR BATTERY STORAGE AND CHARGING CABINETS

Description	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
① Fireproof cable entry	14 x 2.5 x 14	1.3	11345
② Stacking feet, set (already included with cabinet size 8/10)	10 x 6 x 10	3	11368
③ Combination alarm unit, visual and audible alarm (100 dB) (only for charging Premium and charging Premium Plus)	7.3 x 4.3 x 12.2	-	11389
④ Wireless heat and smoke alarms, set of two, battery operated, network capable, incl. two magnetic plates	ø 12.5 x 4.8	-	11560
⑤ Aerosol extinguisher (0.25 m ³ extinguishing capacity)	ø 6.5 x 3.8	-	11561
⑥ Shelf insert (for floor level or as intermediate level)*	72 x 40 x 3.5	-	11508
⑦ Trolley, 240 kg load capacity, for up to two cabinets 8/5	80 x 60 x 15	11.3	11461
⑧ Rack, for up to two cabinets, including wall mounting (only in combination with stacking feet)	106 x 53.5 x 200	50	11562

Battery safety storage cabinets PROline 6/20 and 12/20 PG 9

For the storage of low-capacity lithium batteries

Complies with the newest version of DIN EN 14470-1

- 90-minute fire rating in accordance with DIN EN14470-1
- for the storage of new, low-capacity lithium batteries (<100 Wh, see VdS 3103)
- safe 2-point locking for optimal access protection
- locking mechanism activates when closing the doors
- self-closing doors in the event of a fire
- door holding in an open condition as standard
- extra safety: load certification for fan centre of gravity on the top of the cabinet

- height-adjustable spill tray shelves, load capacity 75 kg, grid dimension 32 mm
- for connection to technical ventilation, diameter of ventilation opening DN75
- forklifttable, height-adjustable feet, removable base trim
- earthing point on the outside of the cabinet to avoid ignition hazards due to electrostatic charging
- cabinet body in grey, doors in orange (other colours on request)
- door hinge right or left

Battery safety storage cabinet PROline12/20



Battery safety storage cabinet PROline 6/20



Description	External dimensions cm (l x d x h)	Internal dimensions cm (l x d x h)	Storage shelves	Weight approx. kg	Order no.
Battery safety storage cabinet 6/20 – door left	60 x 60 x 195	45 x 49 x 166	4	265	11959
Battery safety storage cabinet 6/20 – door right	60 x 60 x 195	45 x 49 x 166	4	265	11960
Battery safety storage cabinet 12/20	120 x 60 x 195	105 x 49 x 166	4	450	11961

Battery charging cabinet 12/20 FWF90-GS PG 9

for storage and charging of lithium batteries

Fire-resistant secure cabinet, specially developed **for the storage and charging of lithium-ion batteries, as well as for the storage of critical batteries.**

- tested fire rating of 90 minutes from inside to outside according to DIN EN 14470-1
- **maximum temperature rise inside the cabinet of no more than 100K at any temperature measurement point**
- tested fire rating of 90 minutes from inside to outside according to DIN EN 1363-2
- **GS symbol – tested as per testing principle EK5/AK4 22- 01**
- self-closing doors, tested for permanent function with profile cylinder lock

- suitable for the storage and charging of lithium-ion batteries
- **suitable for the storage of critical batteries (detection of deformations, escape of liquids, elevated temperature greater than 40°C)**
- **internal real fire test of a filled cabinet**
- **standard surface in CPL light grey, similar to RAL 7035, non-flammable plate with surface treatment, classified A2 – s1, d0**

NEW



Description	External dimensions mm (l x d x h)	Internal dimensions mm (l x d x h)	Equipment	Weight approx. kg	Order no.
Battery charging cabinet 12/20 FWF90-GS	1212 x 664 x 2250	1004 x 453 x 1687	4 grating shelves, bottom spill bund, 4 x 10 power outlets, control unit 230 V , 16 A	706	11962
	1212 x 664 x 2250	1004 x 453 x 1687	4 grating shelves, bottom spill bund, 4 x 10 power outlets, control unit 400 V , 16 A	706	11963

Transport of lithium batteries

Lithium batteries are classified as hazardous goods under transport law. UN certification of the container is not sufficient to ensure that all requirements for ADR-compliant transport of lithium batteries are satisfied in all cases.

We therefore advise our customers to familiarise themselves with this topic and to provide comprehensive training for their employees on how to use the containers in compliance with regulations. This includes

knowledge about the official packaging instructions (see table), marking as per ADR and implementing transport. It also covers appropriate handling of damaged lithium batteries, for example.

If transport containers are properly packed according to the hazardous materials regulations, they can often also be used for storage purposes at the company. It is nevertheless advisable to conduct a hazard assessment in line with the situation on site, additionally involving the plant safety officer and possibly the property insurer as well.



SPECIAL REGULATIONS AND PACKAGING INSTRUCTIONS

	Special regulations according to ADR	Packaging instructions according to ADR
Small, intact lithium batteries <100 Wh	SV188	-
Intact lithium batteries >100 Wh	SV230	P903
Prototypes	SV310	P910
Batteries for disposal/recycling	SV377	P909
Damaged/defective batteries	SV376	P908
Critically damaged/defective batteries (not safe to transport)	SV376	P911

Certification of the packaging			Packaging instructions according to ADR				
	Packaging group	UN coding	Intact lithium batteries >100 Wh (usual case)	Prototypes	Batteries for disposal/recycling	Damaged/defective batteries	Critically damaged/defective batteries (not safe to transport)
			P903	P910	P909	P908	P911
Plastic collection container S	VG2	Y	✓	✓*	✓	✓*	✗
Plastic collection container L	VG2	Y	✓	✓*	✓	✓*	✗
Steel collection container for batteries	VG1	X	✓	✓	✓	✓	✗
Safety drum for batteries	VG1	X	✓	✓	✓	✓	✗
Safety container for batteries	VG2	Y	✓	✓	✓	✓	✗

Please always pay attention to compliant packaging and transport as well
* possible in principle but not recommended

Battery system fire protection box Li-SAFE PG 9



Video
Battery system fire protection box

- safe transport and storage system for lithium batteries
- special fire prevention lining made of non-combustible materials
- formable special pads prevent the batteries shifting inside the box (included)
- boxes are stackable and can be interconnected
- two sturdy latches
- two handles for ease of handling
- can be locked with a padlock (not included)
- made of durable, impact-resistant plastic
- including hazardous goods labels



stackable and
interconnectable

handles

fire prevention
lining



NEW

formable special pads

New size 2-L



POSSIBLE APPLICATIONS:

- UN certification for lithium batteries in packaging group II and III
- for lithium battery weighing up to 5 kg
- transport possible on public roads in accordance with the regulations
- additionally usable as a stationary safety container for storage
- fire-protected storage for transport and on construction sites, for example
- Ideal for new and used batteries and for safe separation (e.g. faulty or quarantined batteries)



Faulty batteries must be transported safely during work.



With UN certification and Fire Safety lining.

Battery system fire protection box Li-SAFE PG 9

Development insights:

All boxes have been tested in battery fire tests with garden tool batteries, here the box 2-S

Overview of ADR regulations see page 221



Essential if battery-powered devices are used in a company, because batteries can fail at any time (fire hazard).

Successful fire test: the CEMO fire prevention box withstands the flames.



Description	Permissible total weight in kg	External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Quantity of special pads	Weight approx. kg	Order no.
Battery system fire protection box Li-SAFE 2-S	10	40 x 30 x 21.5	30 x 19 x 9	2	4.5	11563
Battery system fire protection box Li-SAFE 3-S	12	40 x 30 x 34	30 x 19 x 21.5	3	6	11564
Battery system fire protection box Li-SAFE 2-L NEW	12	50 x 30 x 28	40 x 17 x 15	4	6.7	11872



In case of the loss or damage of pads or the filling of empty space



Multi-adapter plate for connecting with box systems of third-party manufacturers (e.g. Systainer, L-BOXX)



Shelf adapter plate for fixing the box in the required place, e.g. in a shelving system in a vehicle

ACCESSORIES

Description		Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Special pads for battery system fire protection box		34 x 21 x 4	0.2	11565
Multi adapter plate	NEW	44.5 x 30 x 5.5	0.74	11882
Shelf adapter plate	NEW	39.5 x 29 x 2	0.46	11883

Further sizes on request

Battery safety barrel PG 9

- 60 litre clamping ring lidded drum
- special valve for pressure relief in the event of damage
- UN certification for hazardous goods belonging to packaging groups I, II or III
- for use with vermiculite as a buffer material
- 60 kg permissible total weight
- ideal for use as a storage bin for damaged batteries awaiting disposal
- certified for the transportation of lithium batteries (UN 3480 and UN 3090) weighing 0.5 – 5 kg

- Special ADR regulations apply for transportation (see special regulations and packaging instructions, p. 221).
- Please observe the enclosed packaging instructions!
- incl. one sack of vermiculite and plastic bags

Pressure relief in the event of damage in accordance with the pressure cooker principle



Ideal for the safe storage of defective batteries for eBikes, power tools, garden tools and much more.

Description	Dimensions cm (ø x height)	Storage capacity L	Weight when empty kg/ maximum weight	Order no.
Battery safety barrel	38 x 66	60	4.9 / 60	11200

ACCESSORIES

Sack of vermiculite (corresponds to approx. 50 L)	-	-	4.5	11205
Lining bag for battery safety barrel				11232
Plastic bag for single battery	-	-	-	11233

Battery steel collection container PG 9

- 120 litre storage capacity
- ideal for use as a storage container for damaged batteries awaiting disposal
- robust, hot-dip galvanised steel container with sturdy closure buckles
- circumferential rubber seal protects against penetrating moisture
- lid can be opened easily and locked in place in a single step
- can be driven under, stacked and lifted by crane for easy handling
- for use with vermiculite or expanded glass granulate as a buffer material (see page 221)
- UN certification for hazardous solid goods belonging to packaging groups I, II and III

- Special ADR regulations apply for transportation (see special regulations and packaging instructions, p. 221), may only be carried out by qualified personnel.



Battery steel collection container



with vermiculite (see accessories)



Description	External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Storage capacity L	Weight when empty kg / maximum weight	Order no.
Battery steel collection container	71.5 x 71.5 x 58	58 x 58 x 39	120	54 / 170	11201

ACCESSORIES

Sack of expanded glass granulate ② (approx. 55 L)		12.5	11204
Sack of vermiculite ① (approx. 50 L)		4.5	11205
Lining bag for collection container			11231
Plastic bag for single battery			11233

Plastic collection container PG 9

Optimal storage and transport system

- UN-certified storage and transport system for solid hazardous goods (classified in packaging groups II and III)
- high-density, impact-resistant PE plastic (PE-HD)
- stackable and safe to transport
- ideal for collecting lithium batteries for recycling and disposal



- For reasons of fire prevention, use only in combination with suitable buffer material (e.g. vermiculite or expanded glass granulate).
- Observe packaging instructions (e.g. P909, p. 221) for ADR-compliant transport.
- delivery with lid and ratchet straps



Plastic collection container S

Description	External dimensions cm (l x d x h)	Internal dimensions cm (l x d x h)	Collection volume L	Filling weight approx. kg	Order no.
Plastic collection container S	120 x 80 x 40	111.5 x 71.5 x 24.5	195	300	11202
Plastic collection container L	120 x 100 x 76	112 x 92 x 60	610	400	11203

ACCESSORIES

Sack of expanded glass granulate (corresponds to approx. 55 L)	12.5	11204
Sack of vermiculite (corresponds to approx. 50 L)	4.5	11205
Lining bag for plastic collection container S		11229
Lining bag for plastic collection container L		11230
Plastic bag for single battery		11233

CEMO Used battery collection box 16 L PG 9

The robust battery collection box is a sustainable solution for collecting, transporting and storing used batteries. The box can be reused in keeping with the concept of a circular economy (recyclable containers). It can be conveniently stacked on pallets, and special drop-in openings can also be used.

- impact-resistant box made of HDPE
- tested, guaranteed and certified raw material

- weatherproof and UV-resistant
- resistant to most acids and lyes
- stackable



Description	Capacity L	Dimensions in cm (l x w x h)	Weight (approx.) in kg	Order no.
CEMO Used battery collection box 16 L	16	40 x 30 x 24	1.5	12001

Buffer material for storage and transport

Expanded glass granulate and vermiculite

- not flammable
- high thermal insulation
- highly effective at absorbing escaping electrolyte
- not electrically conductive

Both materials have long been tried and tested buffers in hazardous goods packaging. Used carefully, these granulates can prevent flames from spreading from one cell to another. Expanded glass granulate is particularly suitable for lithium battery applications, because it forms a protective shielding layer around the cells in the event of a fire.



	Expanded glass granulate	Vermiculite
Filling weight approx. kg	12.5	4.5
Order no.	11204	11205



Description

- Sack of expanded glass granulate (corresponds to approx. 55 L)
- Sack of vermiculite (corresponds to approx. 50 L)

Collection containers for indoor storage PG 9

Battery disposal box

optimal storage and transport system

- high density PE plastic (HDPE)
- maximum acid resistance
- can be loaded up to 600 kg as individual box, up to 450 kg per box when stacked
- stackable up to 7 boxes
- for transporting old batteries (Rh 2807) in accordance with ADR 4.1.4.1 P801
- stackable and safe for transport
- equipped with three runners
- labelled with hazard warnings



Box 610 L



Box 300 L



Not certified for storage and transport of lithium batteries.

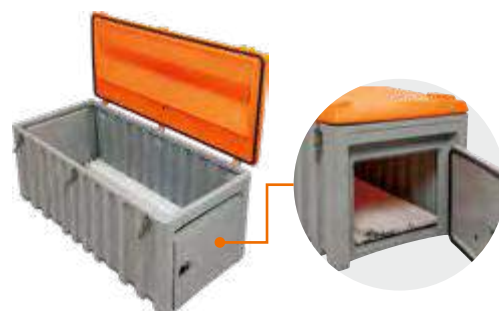
Capacity L	External dimensions cm (l x w x h)	Weight approx. kg	Order no.
300 with four feet	100 x 63.5 x 64.5	14.3	11450
520 with two runners	120 x 80 x 79	29	11451
610 with three runners	120 x 100 x 76	37	8322

ACCESSORIES

Lid for box 300	103 x 65 x 7.5	5	10159
Lid for box 525	121.5 x 81.5 x 6	6	8614
Lid for box 610	121.5 x 101.5 x 6	7	8086

Fluorescent tube collection box PG 8

- grey/orange container made of high-quality PE
- for transporting and storing fluorescent tubes up to 155 cm long
- with optional side door
- stackable, with retaining cam
- with forklift pockets
- with integrated handles
- with lid opening restrictor
- with three toggle latches
- completely splash proof thanks to an all-round integrated seal



Description	Capacity L	External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Weight kg	Order no.
PE collection box 750, grey/orange, with side door	750	170 x 84 x 80	154 x 70 x 63	43	10336
PE collection box 750, grey/orange	750	170 x 84 x 80	156 x 70 x 63	42	10335

Collection containers for outdoor storage PG 9

Vehicle battery disposal container

- sturdy GRP model enables clean and safe storage for waste vehicle batteries
- certified for transport in accordance with ADR 4.1.4.1 P801
- two vents and a galvanised steel base frame for stable positioning
- all fittings are stainless steel
- removeable wooden grating forms a level base surface
- lid with hasp catch for padlock
- labelled with hazard warnings



VEHICLE BATTERY DISPOSAL CONTAINER

Capacity L	External dimensions cm (l x w x h)	Weight approx. kg	Order no.
200	89 x 59 x 81	23	3396
400	120 x 80 x 81	37	3397
700	134 x 99 x 110	50	3983



Not certified for storage of lithium batteries

Mobile box for hazardous materials, certified PG 9

Mobile box

The robust design enables clean and safe storage of hazardous solid goods belonging to packing groups II or III and is also certified for transport according to ADR, RID and IMDG codes. The container (grey), with a capacity of 170 L or 250 L, and lid (coloured) are easy to handle, even when the container is full. The specially shaped lid enables storage in 2-layers. Up to 8 boxes can be safely stacked on a Euro pallet. The beading in the container wall enables emptying with a rotary forklift.

The mobile box is particularly suitable for the following applications:

- collection container for waste and materials such as oil binding agents, paint residues, etc.
- collection and transport container for recycling, cleaning cloths, etc.
- collection container for flammable and polluting substances



Up to 8 containers on a Euro pallet, two layer stackable



Lid with PU seal, fire-classified, light and air-tight for moisture-sensitive material, red lid version



Orange lid version



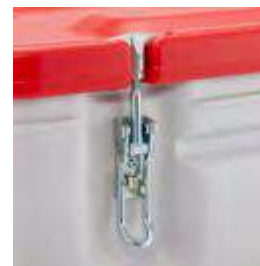
Green lid version



Red lid version



Blue lid version



Lockable mechanism with metal bracket and locking spring

Description	Dimensions per packing unit cm (l x w x h)	Weight approx. kg	Order no. / lid			
			orange	red	green	blue
Mobile box 170 L	60 x 40 x 88	12	11453	11454	11455	11456
Mobile box 250 L	60 x 60 x 89	15	11457	11458	11459	11460

Aerosol spray can collection container PG 9

Mobile collection container for empty and partially empty aerosol spray cans. Tested safety via UN certification 1H2W/X150/S...

- certified for UN 1950 (waste aerosol containers)
- integrated opening to dispose of spray cans when the lid is closed
- lid with rubber seal and sturdy latch
- two integral vents for air circulation in the body

- manufactured in anti-static plastic for additional safety, therefore particularly suitable for installation in side buildings
- large wheels and a heat-treated steel axle for easy movement even when filled; maximum weight up to 150 kg
- grey body, orange lid
- delivery includes nonwoven pads (to absorb leaking fluids) and "UN1950" hazardous goods label
- Observe the relevant packaging instructions for transport under ADR.



Anti-static version:

Extra safety for workshop and industrial use



Important note:

Never dispose of empty spray cans as general waste or together with other waste.



Lid with rubber seal and latch



Volume 120 litres



Sturdy latch



Spray cans can be disposed of without opening the lid



Large wheels and integral vents



Including nonwoven pads



Video

Aerosol spray can collection container

Description	Dimensions cm (w x h x l)	Volume L	Weight kg	Order no.
Mobile collection container for aerosol spray cans	49.8 x 55.4 x 96	120	11	11346

Safety disposal container PG 9

Essential for every safety-conscious workshop and industrial building. Ideal for cleaning cloths saturated with flammable liquids, for example.

- tightly sealing lid is designed to prevent self-ignition by excluding oxygen
- self-closing due to maximum opening angle of 60°
- ventilation holes and clearance to the

- ground reduce the risk of overheating
- foot pedal for hygienic hands-free opening
- sturdy design made of painted sheet steel
- wear-free, durable mechanism
- light weight for simple handling and emptying
- suitable plastic bags available separately



Description	Capacity L	Dimensions cm (ø x h)	Weight approx. kg	Order no.
Safety disposal container	22.5	ø 36.5 x 39.5	5.6	11558

ACCESSORY

Plastic bags (50 pcs.)				11559
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Mobile oil suction units PG 4

Pneumatic oil suction unit

Compressed-air operated mobile oil extractor
Ideal for quick oil changes on larger vehicles such as lorries, tractors, and cars, etc. A vacuum is generated in the tank with the aid of compressed air. The oil can then be decentrally extracted from the engines using the extraction probes, independently of a compressed-air connection. Ideal oil temperature 70 – 80 °C. Tank is drained by compressed air.

Technical data 8726 and 10145

- mobile 65 L or 90 L container with level indicator, vacuum indicator and 1-bar relief valve
- compressed-air connection ¼"
- removable tool tray
- extraction hose 2 m with probe adapter
- 7 different flexible and rigid probes; direct adapters for Mercedes, VW, BMW and Citroen
- drain hose 2 m
- max. extraction volume 52 L resp. 75 L
- maximum hopper height 188 cm (model 10145)

Technical data 10690 and 10691:

- mobile 80 L container with level indicator, vacuum indicator and relief valve
- compressed-air connection ¼"
- extraction hose 1.5 m with probe adapter
- 5 different flexible and rigid probes from 5 mm up to 8 mm
- drain hose



OIL SUCTION UNITS PNEUMATIC

Description / Capacity L	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
65 L	60 x 42 x 86	26.9	8726
90 L, with collection hopper	62 x 42 x 138	38.2	10145
80 L	44 x 49 x 77	24.5	10690
80 L, with collection hopper	58 x 49 x 173	27.5	10691

Electric oil suction unit

The mobile oil suction unit meets the growing requirement for sucking waste oil directly out of a car engine via the oil dipstick seating. An integral 12 L reservoir container can hold the removed waste oil directly. The oil suction unit has a special self-priming centrifugal pump which can produce very high vacuum pressures.

Technical data

Mobile frame complete with:

- self-priming centrifugal pump, 230 V, delivery rate 2 to 10 L/min

- vacuum gauge for checking the pump's operation and for successful emptying
- suction hose with fast connection for the probes
- 4 different suction probes (semi-rigid probe dia. 6 x 800 mm, semi-rigid probe dia. 8 x 800 mm, rigid probe dia. 8 x 650 mm, rigid probe dia. 9 x 650 mm)
- removable probe holder with liquid-tight base for collection of any oil drops
- removable transparent collection container 12 L
- suitable for oils up to SAE 140



OIL SUCTION UNIT ELECTRIC

Description	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
12 L	32 x 32 x 90	19,5	8253

Mobile extraction unit for fuels PG 4

EXTRACTION AND REFUELLING TROLLEY FOR PETROL

2-stroke mixture and diesel

Used in the event of misfuelling, accidents, vehicle returns, etc.

- with flashback arrester in filler neck
- 2 m extraction hose DN 10 and 3.2 m delivery hose
- operated with 12 V electric pump
- 4.1 m connection cable and earthing cable with crocodile clips
- automatic dispensing nozzle, hose certified for petrol

- switch between extraction and dispensing via ball valves
- flexible probe dia. 8 mm/1.500 mm
- flexible probe dia. 12 mm/700 mm
- adapter for dia. 6 mm hose
- adapter for dia. 10 mm hose
- holder for probes and adapter (not mounted on trolley)



Description	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Electric extraction and dispensing trolley 95 L	100 x 56 x 48	23	10762



MOBILE EXTRACTION UNIT FOR FUELS

Petrol, diesel and oil

Unit suitable for vehicle and small tank extraction. Suitable for use in potentially explosive atmospheres. Compliant with the Occupational Safety Directive and the 1999/92/EG (ATEX 137) guidelines on workplace health and safety protection.

- complies with the Explosion Protection Directive ATEX 94/9
- 2 m extraction hose and 2 m drain hose
- operation with compressed air, including pressure reducer and maintenance unit
- load bearing surface of the transport trolley suitable for existing canisters or tanks up to 60 kg
- earth cable, 3 m with clip
- with suction lances Ø 8 mm and Ø 12 mm
- with adaptors for Ø 6/8/10 mm hoses



Description	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Mobile extraction unit for fuels, 2 stroke mix, diesel and oil	50 x 50 x 100	19,5	10090

Used oil collector PG 4

Mobile used oil collector 80 L

- with collection hopper and fill level display
- emptied using compressed air
- safety valve

Description	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Mobile used oil collector, 80 L	44 x 49 x 173	25	10692



Mobile used oil collector
80 L

MOBILE collecting and transport container for hazardous materials (HazMat) PG 4

Mobile hazardous substance collector GS-MOBILE for flammable liquids with general construction inspection certification no. D/BAM 6744/31A (400 L, 600 L) and D/BAM 6743/31A (980 L) indefinite certification period

The collection, storage and transport container for flammable liquids without a sump/spill pallet (e.g. waste oil of unknown origin, solvents, thinners and many more).

The integrated forklift pockets enable easy and safe transport. An integrated funnel with a dirt sieve and a fixed installed suction pipe with tanker coupling simplify filling and emptying. Can be used by anybody.

Design: explosion shock-proof



980 L



400 L

GS-MOBILE FOR A I TO A III AND B AS DESCRIBED ABOVE

Capacity L	Dimensions, cm (l x w x h) without ventilation pipe	Dimensions, cm (l x w x h) with ventilation pipe 2"	Weight approx. kg	Order no.
400	96 x 96 x 114	96 x 96 x 310	196	7713
600	96 x 96 x 141	96 x 96 x 300	250	7714
980	121 x 121 x 141	121 x 121 x 300	310	7715

Go-box for absorbents PG 9

- for granulates, absorbents, etc.
- for indoor and outdoor use and storage
- sturdy rubber wheels
- angled lid so that water runs off
- with eccentric stainless steel latch
- can be locked with a padlock (not included), see page 260
- user-friendly, ergonomic handle
- 70 L capacity
- lid locks open for loading/unloading
- easy to handle thanks to sophisticated balance
- easy to clean
- made of chemical-resistant PE – 100 % recyclable
- partition for insertion into the grooves of the Go-box as an accessory



Accessory: partition

Description / Capacity L	Dimension cm (h x w x d)	Weight approx. kg	Order no.
Go-box 70 for absorbents	107 x 59 x 39	10	11449

ACCESSORIES

Description	Dimension cm (h x w)	Order no.
Partition for Go-box 70	40 x 32	11286

Overpack drum PG 9

For securing a drum of up to 210 litres

- safety-tested to UN certification 1H2/X300/S...
- easy unscrewing of lid
- nestable storage in readiness for emergency
- made from high density polyethylene (HDPE) with high resistance to aggressive chemicals
- 300 kg load capacity
- interior dimensions: (top x bottom x height): 68.9 x 64.9 x 99

Description	Dimensions cm outside Ø x h	Collection volume L	Weight approx. kg	Order no.
Overpack drum	78.7 x 104.7	360	22.5	11023



Nozzle holder for 60 L and 200 L drum PG 4

Nozzle holder for 60 L and 200 L drum

- holder made from galvanised metal bracket with clamping screws and plastic holster for catching drops
- suitable for attaching to tight-head steel drums and L-ring plastic drums
- easy removal of holster for emptying and cleaning



ACCESSORY NOZZLE HOLDER FOR DRUMS

Description	Order no.
Nozzle holder for drums complete with clamping screws and drop holster	11044

Funnels / collection trays PG 9

GRP funnel

- with and without lid
- for placing on drums
- secure seating
- no risk of spillage

PE collection trays

- with swash edge to prevent content spillage
- pouring spout for transfilling
- robust carrying handles
- acid, chemical, oil and petrol resistant
- sizes 14 L provided
- version 65 L with 4 castors, drip tray and drain hose
- sizes 20 L and 55 L with a 4-chamber system for safe transportation and for emptying using the 4 edges with spouts

IBC filling funnel

- for mounting on commercially available IBCs
- Made of high-quality PE
- Integrated drip tray
- Drain opening with stainless steel conical sieve and integrated filler neck
- Optical overfill protection (optional)
- Storage compartment



GRP FUNNEL AND PE COLLECTION TRAYS

Description	Volume L	External dimension cm (l x w x h)	Weight approx. kg	Order no.
① GRP funnel without lid for 200 L drum	-	hight 15. ø 56	3	3342
② GRP funnel with hinged lid for 200 L drum	-	hight 18. ø 56	5	5348
③ GRP funnel without hinged lid for 60 L drum	-	hight 16. ø 39	2.5	5493
④ PE collection tray 16 L	16	59 x 47 x 15	1	91605
⑤ PE collection tray 20 L	20	69 x 44 x 10.5	1.3	6892
PE collection tray 55 L	55	101 x 73 x 12.5	2.8	6891
⑥ PE collection tray 14 L, sealable NEW	14	41 x 44 x 14.5	1.2	11973
⑦ PE drip tray 65 l, mobile NEW	65	110x70x20	17	12058
⑧ CEMO IBC filling funnel NEW	-	77 x 74 x 15	4	12054
⑨ CEMO IBC filling funnel with hinged lidl NEW	-	77 x 74 x 24	5	12055

ACCESSORIES

⑩ Overfill protection, visual NEW	-	34 x 4 x 4	0.5	12056
Foam pipe, 1 m	-	105 x 5 x 5	1	12057

Cemsorb absorbents

“Universal” and “Oil”

PG 9

Cemsorb absorbents are high-performance absorbents to absorb accidentally discharged or spilled hazardous substances without delay or to prevent them from spreading.

The area of the accident or the workplace is soon ready to use again.

- Thanks to their high calorific value, they are well suited for thermal utilisation by incineration.

Cemsorb absorbent “Oil” blue

Cemsorb absorbent “Oil” was developed to absorb oil and oil derivatives. Cemsorb oil absorbent is hydroscopic; it does not absorb water.

Advantages:

- Cemsorb absorbents absorb up to 18 times their own weight in fluids.
- Cemsorb absorbents are simple and easy to use. Simply place them on the spilled fluid, and the fluid is quickly absorbed.

Cemsorb absorbent “Universal” grey

The Cemsorb absorbent “Universal” was developed to absorb all types of fluids. We do not recommend using it on water surfaces. Please use the Cemsorb absorbent “Universal” to absorb small quantities of different technical fluids.

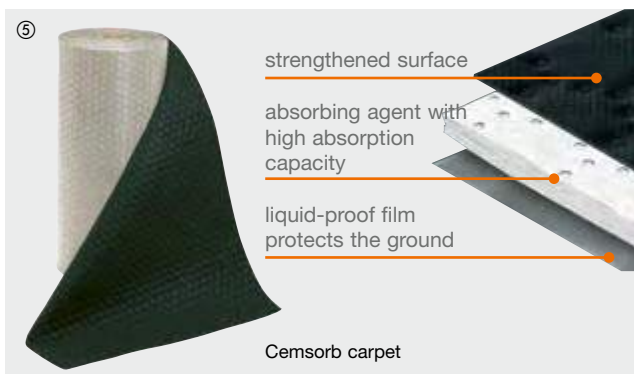


Cemsorb cloths „Oil“



Cemsorb cloth roll “Oil”

Multiple Cemsorb cloth rolls “Universal”: both sides reinforced, lint-free and perforated


Cemsorb carpet “Oil”
Non-slip, dense, reinforced


Cemsorb carpet



Cemsorb drum cover “Universal” with reinforced and lint-free surface



Cemsorb snake “Oil”

Description	Absorption in L / sales unit	Dimension cm	Area m ² / sales unit	Sales unit	Weight approx. kg / sales unit	Oil (blue or white)	Universal (grey)
						Order no.	Order no.
① Cemsorb cloths Heavy weight Perforated in width direction	113	40 x 50	20	100 cloths / carton	6	8793	8794
② Cemsorb cloth roll Heavy weight Transversely perforated	180	40 x 4000	32	2 rolls / carton	9.6	8795	8796
③ Cemsorb cloth roll Heavy weight Multiply perforated	48	40 x 2500	10	1 roll / dispenser carton	3.5	-	8797
④ Cemsorb carpet “Oil” Heavy weight Non-slip, dense, reinforced	41.3	80 x 120	9.5	10 carpets / carton	4.4	10412	-
⑤ Cemsorb carpet Heavy weight Non-slip, dense, reinforced	103	80 x 3000	24	1 carpet / carton	10.9	-	8798
⑥ Cemsorb pillow filled with flakes	80	Ø 7.5 x 120	-	20 snakes / carton	8	8799	8800
⑦ Cemsorb drum cover	31.5	Ø 56	6.15	25 items / plastic bag	2.1	-	8803

Cemsorb emergency sets PG 9



Use of the oil suction carpet from the Cemsorb emergency set Agrar



Cemsorb emergency set



Cemsorb emergency box "Universal"



Cemsorb emergency set Agrar



③



Cemsorb emergency trolley

Description	Capacity	Absorption in L / sales unit	Dimension cm (l x w x h)	Weight approx. kg / sales unit	Oil (blue)	Universal (grey)
					Order no.	Order no.
① Cemsorb emergency set Agrar	1 pair gloves, 2 disposal sacks, 22 oil absorbent cloths 30 x 30 cm white, 1 oil suction snake white 1.20 m x 7.5 cm, 5 wiping cloths, 2 yellow universal cloths 40 x 50 cm, 1 dense oil suction carpet 60 x 80 cm (brown surface)	20	32 x 32 x 16	2	10413	-
② Cemsorb emergency set	1 pair gloves, 2 disposal sacks, 32 cloths 30 x 30 cm, 1 snake 1.20 m x 7.5 cm, 5 wiping cloths	20	32 x 32 x 16	2	8804	8805
③ Cemsorb emergency trolley	1 sturdy PE box (10133), 100 item cloths Universal (8794), 20 snakes Universal (8800), 1 item emergency set Universal (8805)	197	80 x 60 x 53	32	-	10014
④ Cemsorb emergency box	1 sturdy PE box (8615), 100 item cloths Universal (8794), 20 snakes Universal (8800), 1 item emergency set Universal (8805)	197	120 x 60 x 54	35	-	8543