

for safe storage

Catalogue 2018/2019 valid as of 01.05.2018



CEMO – Your innovative partner for the past 58 years



Long before you hold your product solution in your hands, our developers and design engi-

neers consider what is really needed in practice. Products that fulfil their true purpose only come about after decades of direct dialogue with users. Modern design engineering methods such as CAD help to avoid making mistakes here, even with initial ideas. However, our development activities do not end with a new product – instead, they mark the beginning of the long journey through statutory approvals and extensive testing, ultimately resulting in series-production readiness. This gives rise to product solutions that distinguish themselves from cheap imitations.



Sales & Service

Despite strict quality controls and high-quality materials, it is always possible for a pro-

duct to fail when used for many years. Often it is just a minor matter that can be rectified immediately on your premises by one of our trained service staff. Sometimes a more extensive repair or even a replacement is needed, in which case our service team can also offer you a no-fuss solution that gets your product process up and running again as quickly as possible. For us, service begins with the consultation and the sale.



Our many years of experience making containers also shows that there is more than just

one production method for the manufacturing process. We therefore use the almost indestructible material GRP for particularly long-lasting containers, for which we give a guarantee of up to 35 years. However, as GRP is not always GRP, we further distinguish between manual lamination, compression and injection methods. By selecting the right method, you get a long-term solution to your problems.

Our new products for 2018





AdBlue® is a registered trademark of the German Automotive Industry Association.

storage and management of lithium batteries

Tank systems for diesel



Stationary tank systems for diesel (page 10-33)



CUBE-Tank

- 1500 7500 L HDPE single-wall tank
- with integrated bund installation in buildings
- and outdoors
- fully assembled does not require a bund, even in water-protected
- areas page 12 - 17

GT-Tank

• 1000 - 10000 L

GRP safety tank

protected areas)

installation in buildings

and outside without

tank or battery system

bund (outside of water-

single-wall,

page 21 - 24



UNI-Tank

- 400 4500 L
- Double-wall tank comprising HDPE inner tank and galvanised sheet steel bund
- indoor installation
- does not require a bund, even in water-protected areas
- page 18 20

DWT-Tank

- 1300 11750 L
- double-wall, GRP safety tank
- in- and outdoor installation
- does not require a bund even in water-protected areas
- single tank or battery system
- with visual bund alarm
- page 25 28



PE/GRP tank station

- 5000 L fully assembled
- pump 70 L/min
- with GRP bund
- · in- and outdoor installation

page 29



- above ground tank system, steel double-wall

page 30 - 31



Underground safety tank

- 3000 10000 L
- double-wall underground safety tank, GRP coated
- for underground diesel or heating-oil storage
- with height adjustable, traversible dome shaft

on request



Dispensing areas outdoor

- · compact and
- basic, indoor page 32 - 33



CEMO CUBE – a new generation. Redefining the Standard³.

Most fuel stations available today have been adapted from oil storage tanks and often give the appearance of being cobbled together as best as possible. Perhaps now is the time to redesign from scratch and produce a purpose-designed fuel station better suited to today's user.

CEMO present the latest in security, function and design in the CUBE. We have introduced features with benefits, not compromises and jigs. The first dispensing station to be designed as a dispensing station with everything in its place, easily accessible and straightforward to use.

It's impressive - a great concept. Take a look and see if you agree.



Lockable lid secured by toggle latches. Opens upwards on supporting gas struts to allow access from three sides and plenty of light to see what you're doing.





The automatic hose reel helps you keep 8 m of hose in order.



Integral 110% bund gives added environmental protection.



Integral forklift pockets assist with loading and installation. Optimal dimensions based around Europallet measurements for ease of transport and delivery to site.





CUBE-Dieseltank [PG 4]



Dispensing station for Diesel, **Basic and Premium** with general construction inspection approval no. Z-40.21-510

- · comprising integrated bund
- · visual bund alarm
- tanker coupling
- electronic overfill sensor
- vent
- analogue contents gauge
- suction hose
- 230V electric pump 56 L/min (72 L/min on 2500 L versions)
- 4m delivery hose
- automatic nozzle with integral nozzle holder
- approved for outdoor installation with hinged lid (outdoor model)
- · fully assembled





CUBE-Dieseltank 1,500 L Outdoor

CUBE-Dieseltank 2,500 L Indoor Basic

CUBE-Dieseltank

Designation	Capacity L	External Dimensions cm (w x d x h)	Weight approx. kg	Order no.
CUBE-Tank Indoor Basic, for diesel	1500	120 x 115 x 174	165	10292*
CODE-TANK INDOOR BASIC, for diesen	2500	120 x 180 x 174	220	10293***
	1000	120 x 80 x 180	150	10294*
CUBE-Tank Outdoor Basic, for diesel incl. hinged lid	1500	120 x 115 x 180	180	10295*
	2500	120 x 180 x 180	235	10296***
CUBE-Tank Outdoor Premium, for diesel	1000	120 x 80 x 180	170	10297*
incl. hinged lid, K33 analogue flow meter, cartridge filter with water separator,	1500	120 x 115 x 180	200	10298*
hose reel with 8m hose	2500	120 x 180 x 180	255	10299***
CUBE-Tank Extension I Indoor, for diesel comprises Indoor Basic package:	1500	120 x 115 x 174	155	10776
with connection kit to first tank; excluding pump, hose, nozzle	2500	120 x 180 x 174	210	10512
CUBE-Tank Extension I Outdoor, for diesel	1500	120 x 115 x 180	170	10774
same as Extension I Indoor, incl. hinged lid	2500	120 x 180 x 180	225	10300
CUBE-Tank Extension II Indoor: same as Extension I Indoor,	1500	120 x 115 x 174	155	10777
only with connection to Excention II	2500	120 x 180 x 174	210	10544
CUBE-Tank Extension II Outdoor:	1500	120 x 115 x 180	170	10775
same as Extension II Indoor, incl. hinged lid	2500	120 x 180 x 180	225	10545

* with electric pump 56 L/min *** with electric pump 72 L/min (pump output in free flow. Please note that the pump output

can fall sharply depending on the length and cross-sectional area of the hose.)



CUBE-Dieseltank [PG 4]

Accessories for CUBE-Dieseltank

Designation		Order no.
	Hose reel with 8 m hose DN 19	10375
	K33 meter, 3-digit tank display	10376
	Filter with water separator	10377
	K33 meter, complete with filter and water separator	10662
	Meter with access control and "CMO 10" tank data management system for up to 250 users, incl. 5 user keys and 1 master key	10745
	Data transfer set with 3 data transfer cards and USB key reader for wireless data transfer to PC, incl. PC software	10746
	Key set with 5 user keys	10747
	LED instrument lighting with motion sensor and battery	10378
	Hinged lid, orange, complete with supporting gas struts and mounting accessories	10324



Accessory for CUBE-Diesel filling stations 5,000 L

Designation

Accessory package for placement lengthwise in connection of two CUBE-Dieseltanks 2,500 L with expansion unit **I** (see page 14) resp. CUBE-Diesel filling stations 5.000 L (see page 15)

Order no.

10666



Diesel filling stations with UNI-Tanks [PG 4]

- from HDPE with integral galvanised
- sheet steel bund and base pallet
 standard accessories:
 lovel gauge visual leakage detector
- level gauge, visual leakage detector, integral carrying handles
- no pump
- for storage of diesel, biodiesel, without a bund, even in water-protected areas*
- approved for installation indoors
- can be filled with delivery nozzle (except Uni-Tank 1,500 L)
- low overall height (up to 1,000 L), thus no step tread is necessary





Order no. 7979 7379 7380

7881

Accessories see pages 20.

UNI-Tank Tank as described above

Ca

Capacity L	Dimensions cm (l x w x h)	Approval no.	Weight approx. kg	
400	73 x 70 x 117	Z-40.21-365	50	
750	98 x 77 x 142	Z-40.21-288	66	
1000	128 x 77 x 142	Z-40.21-288	89	
1500	163 X 77 X 185	Z-40.21-432	151	

Diesel tank system with UNI-Tank 1,000 L or 1,500 L

Tank system, completely configuration comprising:

- UNI-Tank 1,000 L (7380) resp. 1500 L (7881), 1, 2 or 3 tanks
- filling connection with tanker coupling (7390)
- overfill prevention sensor (1437),
- removal and ventilation line
- electric pump 50 L/min
- without assembly
- electric pump 230 V self-priming with automatic nozzle, delivery nozzle holder, meter, 4 m filling hose and ventilation
- other lengths for filling hose optional, see page 116
- individual filling of the tanks via fixed tanker connection, extraction and venting via common lines



UNI-Tank 1,500 L with electric pump 50 L/min

Diesel filling station with 2 UNI-Tanks 1,500 L (order no. 8822)

Diesel tanks systems with UNI-Tank 1,000 L or 1,500 L

Capacity L	Number of UNI- Tank 1,000 L	Delivery rate L/min	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
1000	1	50	166 x 77 x 159	114	10224
2000	2	50	166 x 157 x 159	206	10225
3000	3	50	166 x 237 x 159	298	10226
Capacity L	Number of UNI- Tank 1,500 L	Delivery rate L/min	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Capacity L 1500	Number of UNI- Tank 1,500 L 1	Delivery rate L/min 50	Dimensions cm (l x w x h) 201 x 77 x 202	Weight approx. kg 176	Order no. 8821
1 3	Number of UNI- Tank 1,500 L 1 2	,	· · · · · · · · · · · · · · · · · · ·		

* National installation laws and conditions are to be observed.



Accessories for UNI/MULTI-Tanks [PG 4]

Pumps and accessories specially designed for UNI- and MULTI-tank

Accessories for UNI- and MULTI-Tank

Designation		Order no.
	Hand pump, flow rate 25 L/min suitable for UNI-/MULTI-Tank up to 1,000 L	1452
	Electric pump 12 V, approx. 30 L/min effective, 4 m connecting cable with terminals, 6 m hose, delivery nozzle	8640
	Electric pump 230 V, approx. 35 L/min effective, 4 m connecting cable, 6 m hose, delivery nozzle	8638
	Electric pump 12 V, approx. 25 L/min effective, 4 m connecting cable with terminals, 6 m hose, automatic nozzle	8641
	Electric pump 230 V, approx. 30 L/min effective, 4 m connecting cable, 6 m hose, automatic nozzle	8639
	K24 digital flow meter can be calibrated, measuring range 10-120 L/min, 5-digit display, 6-digit total delivery display, inlet 1" external thread, outlet 1" internal thread, with 1" steel coupling	8644
	Filling hose for electric pump CENTRI Additional DN19 hose, priced per meter (the standard hose is still included in the package)	7213
	Electric pump approx. 50 L/min suitable for UNI-/MULTI-Tank 750 L and 1,000 L 230 V (self-priming), with foot valve, automatic nozzle, 4 m filling hose, pump bracket	7573
<u></u>	Electric flow meter FMT 3/50 for electric pumps 50 L/min, display can be rotated in 90° steps	7574
	Extension hose DN 19 ***2 m(with 2 x 1" thread) for electric pump approx. 50 L/min4 m	7071 7072
	Fixed tanker coupling suitable for UNI-/MULTI-Tank 750 L, 1,000 L and 1,500 L with tanker coupling, ventilation pipe and overfill prevention sensor	7857
	Pump bracket suitable for UNI-/MULTI-Tank 750 L and 1,000 L for mounting Cematic pumps	7631
	Electric pump, approx. 50 L/min, 230 V (self-priming) with flow meter, suction line, automatic nozzle, nozzle holder, 4 m filling hose, mounted on the bracket and can be hung on the side of the UNI-/MULTI tank	8162
	Tank heater type TH 370, 230 V, dia. 44 mm for electric heating of EL grade heating oil and diesel fuel power 0.22 kW, self-regulating, prevents separation of paraffins at low temperatures	8126
	Hose bracket suitable for UNI-/MULTI-Tank 750 L, 1000 L and 1500 L	10252
	Ultrasonic level gauge, suitable for UNI-/MULTI-Tank, all sizes	10275
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*** For additional hose lengths, see page 116.



Diesel filling stations with GT tanks [PG 4]

GT complete station

Tank system with general construction inspection approval no. Z-40.11-190

- completely equipped
- with GRP safety tank
- volume scale
- pump
- accessory package (dome lid, ventilation cap, filling connection, overfill prevention sensor)
- without mounting/installation
- approved for installation indoors and outdoors without bund, but only on a subsurface that is impervious to fluid with a 1 cm upstand (e.g. R1 sealing surface elements, see page 23)
- for water-protected areas, see doublewall tanks pages 12-17 and 25-28
- TÜV (German Technical Inspection Authority) inspection needed only once, prior to start of operation



Tank system 50 L/min Electric pump 230 V (self-priming), flow rate 50 L/min, automatic nozzle, 4 m filling hose

for installation indoors or under canopy, without pump cover (consists of GRP safety tank with accessories 7068 and 7069)

Capacity L	Dimensions cm (I x w x h) without pump hood	Weight approx. kg	Order no.
1,000	116 x 73 x 195	80	7060
1,500	166 x 73 x 195	100	7061
2,000	216 x 73 x 195	120	7062

with lockable pump hood (consists of GRP safety tank with accessories 7067 and 7069)

Capacity L	Dimensions cm (I x w x h) pump hood opened	Weight approx. kg	Order no.
1,000	116 x 73 x 212	87	7063
1,500	166 x 73 x 212	107	7064
2,000	216 x 73 x 212	127	7065

Bunds for water-protected areas with general construction inspection approval no. Z-40.11-190

- approved for the CEMO-safety tank
- for upgrading of existing systems in water-protected areas
- manufactured from glass-fibre reinforced plastic GRP
- top gripping edge
- steel band around the middle of the bund





R1 sealing surface elements available as accessories (see page 23)



Diesel tank without accessories

Capacity L	Dimensions cm (I x w x h)		Weight approx. kg	Order no.
1,000	116 x 73 x 161	with dome	60	1448
1,500	166 x 73 x 161	dia. 145 mm and	80	1449
2,000	216 x 73 x 161	volume scale	100	1450

Bunds for water-protected areas [PG 6]

Suitable for tanks	Capacity approx. L	Ext. dimensions cm top (l x w x h)	Int. dimensions cm bottom (l x w x h)	Weight approx. kg	Order no.
1,000 L	1160	158 x 87 x 105	145 x 74 x 104	47	5125
1,500 L	1520	203 x 87 x 105	190 x 74 x 104	55	5126
2,000 L	2030	268 x 87 x 105	255 x 74 x 104	69	5127



Diesel battery systems with GT tanks [PG 4]

Battery tank system installed in series with general construction inspection approval no. Z-40.11-190

Tank system, complete configuration consisting of:

- GRP safety tank with fill level
- accessory package (dome lid, filling fitting, connection elbow with tanker coupling, ventilation cap, suction line 1¼", overfill prevention sensor)
- electric pump approx. 50 L/min, 230 V (self-priming)
- mech. flow meter
- automatic nozzle
- 4 m filling hose
- pump fitting on the front side of the first tank
- without mounting/installation
- approved for installation indoors or under cover without bund, but only on a subsurface that is impervious to fluid with a 1 cm upstand (e.g. R1 sealing surface elements, see page 23)
- for water-protected areas, see double-wall tanks pages 12-17 and 25-28
- TÜV (German Technical Inspection Authority) inspection only once, prior to commissioning



		Total Capacity L	Overall dimensions cm (l x w x h)	Tank 1000 L 1448	Tank 1500 L 1449	Tank 2000 L 1450	Basic unit 10107	Expansion unit 7095	Pump 7354
2	$\bigcirc \bigcirc$	2,000	148 x 149 x 196	2	-	-	1	1	1
tanks		3,000	198 x 149 x 196	-	2	-	1	1	1
		4,000	248 x 149 x 196	-	-	2	1	1	1
3		3,000	148 x 226 x 196	3	-	-	1	2	1
tanks		4,500	198 x 226 x 196	-	3	-	1	2	1
		6,000	248 x 226 x 196	-	-	3	1	2	1
4		4,000	148 x 302 x 196	4	-	-	1	3	1
tanks		6,000	198 x 302 x 196	-	4	-	1	3	1
		8,000	248 x 302 x 196	-	-	4	1	3	1
5		5,000	148 x 379 x 196	5	-	-	1	4	1
tanks	()	7,500	198 x 379 x 196	-	5	-	1	4	1
	99999	10,000	248 x 379 x 196	-	-	5	1	4	1

Accessories for diesel battery systems



Designation

			Order no.
1	Electric pump for battery systems approx. 50 L/min, 230 V (self-priming), mechanical flow meter, automatic nozzle, 4 m filling hose, installed within a protective housing		7354
	Extension hose DN 19	2 m	7071
	(with 2 x 1" connection)	4 m	7072
	Filling and suction fitting 11/4" for battery systems (max. allowed flow rate: 50 L/min):		
	C-B3 base unit for 1st tank comprising: filling fitting, connection elbow with tanker coupling, suction pipe 1¼", ventilation cap, overfill prevention sensor, installation instructions, pressure relief valve.		10107
	C-B3 expansion unit for 2nd to 5th tanks comprising: Dome lid, filling and ventilation pipe, suction line 1¼", installation instructions.		7095
	Accessory package for battery systems R 11/4" in bund		7342



DWT complete stations [PG 4]

Tank system

with general construction inspection approval no. Z-40.11-280

- complete configuration with GRP safety tank
- pump
- accessory package (dome lid, ventilation cap, filling connection, overfill prevention sensor)
- without installation
- approved for installation indoors and outdoors without a bund
- TÜV inspection only once, prior to commissioning

Outdoor Safety Package DWT 2,350 L

DWT-tank double-walled with visual bund alarm. No bund alarm is necessary for installation outdoors, even in waterprotected areas! Comprising:

- diesel tank DWT 2,350 L (order no. 7375)
- accessory package for installation outdoors (order no. 7355)
- electric pump approx. 50 L/min, 230 V (self-priming)
- · mech. flow meter
- automatic nozzle
- 4 m filling hose
- fitted in protective housing (order no. 7354)



Electric pump 50 L/min (meter available as an accessory)



Electric pump 50 L/min with pump hood (meter available as an accessory)



Electric pump 50 L/min, in protective housing



DWT-tank without accessories

Tank system 50 L/min

① Electric pump 230 V (self-priming), pump capacity approx. 50 L/min, automatic nozzle, 4 m filling hose, flow meter K24 see accessories, page 27

approved for installation indoors or under cover (consisting of GRP safety tank with accessories 7117 and 8949)

Capacity L	Dimensions cm (I x w x h) without pump hood	Weight approx. kg	Order no.
1,300	150 x 74 x 194	100	7364
2,000	200 x 86 x 194	120	8632

(2) also approved for installation outdoors with pump hood (consisting of GRP safety tank with accessories 7348 and 8949)

Capacity L	Dimensions cm (l x w x h) pump hood opened	Weight approx. kg	Order no.
1,300	150 x 74 x 225	107	7366
2,000	200 x 86 x 225	125	8948

Tank system 50 L/min

2 Electric pump 230 V (self-priming) in protective housing, pump flow rate approx. 50 L/min,

mech. flow meter, automatic nozzle, 4 m filling hose

approved for installation indoors and outdoors (consisting of GRP safety tank with accessories 7354 and 7355)

Capacity L	Dimensions cm (l x w x h) without pump hood	Weight approx. kg	Order no.
1,300	182 x 74 x 188	110	7368
1,500	182 x 74 x 211	120	7369
2,000	232 x 86 x 188	130	8634

③ Outdoor Safety Package DWT 2,350 L

$\star \star \star$ TOPSELLER see page 25

Designation	Dimensions cm (i x w x n)	vveignt approx. kg	Order no.
Outdoor Safety Package 2,350 L	232 x 86 x 211	140	8635

④ DWT-tank without accessories with integral visual leakage detection

Capacity L	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
1,300	150 x 74 x 156	80	7372
1,500	150 x 74 x 180	90	7373
2,000	200 x 86 x 156	100	7374
2,350	200 x 86 x 180	110	7375

Technical specifications subject to change.



Diesel battery systems with DWT tanks [PG 4]

Battery tank system installed parallel with general construction inspection approval no. Z-40.11-280

Tank system, complete configuration comprising:

- GRP safety tank, double-wall (from glass fibre-reinforced plastic) with contents gauge
- accessory package (dome lid, filling fitting, connection elbow with tanker coupling, ventilation cap, suction line 1¼", overfill prevention sensor)
- electric pump approx. 50 L/min, 230 V (self-priming)
- mechanical flow meter
- automatic nozzle
- 4 m filling hose
- pump mounted on the front side of the first tank
- without installation
- approved for installation indoors or under cover without a bund
- TÜV inspection only once, prior to commissioning

Safety Package DWT 4,700 L Comprising:

- 2 Diesel tanks DWT 2,350 L (order no. 7375)
- filling and suction armature with dome lid
- filling and ventilation pipeconnection elbow
- with tanker coupling
- suction line 1¼"
- ventilation cap
- overfill prevention sensor (order no. 7358 and 7359)
- accessory package (order no. 7342)
- electric pump approx. 50 L/min, 230 V (self-priming)
- mechanical flow meter
- automatic nozzle
- 4 m filling hose
- fitted in protective housing (order no. 7354)

★★★ Safety package 1

	Total capacity L	Overall dimensions cm (l x w x h)	Tank 1300 L 7372	Tank 1500 L 7373	Tank 2000 L 7374	Tank 2350 L 7375	Basic unit 7358	Expansion unit 7359	Accessory package 7342	Pump 7354
2 tanks	2,600	182 x 151 x 188	2	-	-	-	1	1	-	1
	3,000	182 x 151 x 211	-	2	-	-	1	1	-	1
	4,000	232 x 177 x 188	-	-	2	-	1	1	1	1
	4,700*	232 x 177 x 211	-	-	-	2	1	1	1	1
3 tanks	3,900	182 x 228 x 188	3	-	-	-	1	2	-	1
$\bigcap \bigcap \bigcap$	4,500	182 x 228 x 211	-	3	-	-	1	2	-	1
	6,000	232 x 268 x 188	-	-	3	-	1	2	2	1
	7.050	232 x 268 x 211	-	-	_	3	1	2	2	1

Setup as a 4 and 5 tank battery is also possible

Safety Package DWT 4,700 L 🛛 🖈 🛧 Safety package

Designation	Order no.
Safety Package 4,700 L	7793

Accessories for diesel battery systems

Designation				
 Electric pump for battery systems approx. 50 L/min, 230 V (self-priming), mechanical flow meter, automatic nozzle with design approval, 4 m filling hose, fitted in protective housing 				
Extension hose ¾"	2 m, with 1" connection	7071		
	4 m, with 1" connection	7072		
Filling and suction fitting 1 1/4" for battery systems (max. flow rate 50 L/min):				
C-B3 base unit DWT for 1st tank comprising: filling fitting, connection elbow with tanker coupling, suction line 1 ¼", ventilation cap, overfill prevention sensor, installation instructions.				
C-B3 expansion unit DWT for 2nd to 3rd tanks comprising: Dome lid, filling and ventilation pipe, suction line 1 1/4", installation instructions.				
Accessory package for battery systems R 1 1/4" with DWT 2000/2350 (860 mm wide)				
Vacuum leakage detection device VL 320-420				
Basic package VL 320-420 for connecting two tanks to the vacuum leakage detection device				
Expansion package VL 320-420 for connecting an extra tank to the vacuum leakage detection device		7357		

Technical specifications subject to change.

* offer "Safety Package" see below (order no. 7793).



Steel tank diesel filling station [PG 4]

Above ground tank system

- steel double-wall for outdoor installation, approved for the storage of diesel fuel and biodiesel Construction:
- manufactured in accordance with DIN 6616/D or DIN 6624
- · welded on saddle feet
- painted externally with primer and top coats
- ladder (5,000 L model no ladder due to low overall height)
- dip stick
- suction tube in dome lid
- anti siphon device
- bund alarm with liquid control
- overfill prevention sensor
- completely assembled
- factory test certificate

Options:

• paint schemes according to customer specification possible (additional charge)

The standard containers are primed and painted. We offer a 10-year warranty against rusting through.

Steel tank with bracket and suction line for diesel dispensing pumps



Steel tank without accessories

Tank system as described above

Capacity L	Dimensions cm (l x w x h)*	Tank ø cm	DIN	Weight approx. kg	Order no.
4,000	240 x 165 x 225	160	6616/D	1100	7580
5,000	445 x 130 x 190	125	6624	1250	7376
7,500	390 x 175 x 225	160	6616/D	1800	7377
10,000	520 x 175 x 225	160	6616/D	2200	7378
15,000	780 x 175 x 225	160	6616/D	3000	8140
20,000	668 x 215 x 266	200	6616/D	3800	8141
30,000	982 x 215 x 266	200	6616/D	5200	8142

Steel tank with bracket for diesel dispensing pumps

Tank system as described above, additionally equipped with bracket and suction line for diesel dispensing pumps (see page 109), completely mounted. The diesel dispensing pumps must be ordered separately.

Capacity L	Dimensions cm (l x w x h)*	Tank ø cm	DIN	Weight*** approx. kg	Order no.
4,000	290 x 165 x 225	160	6616/D	1130	8591
5,000	495 x 130 x 190	125	6624	1280	8592
7,500	440 x 175 x 225	160	6616/D	1830	8593
10,000	570 x 175 x 225	160	6616/D	2230	8594
15,000	830 x 175 x 225	160	6616/D	3030	8595
20,000	718 x 215 x 266	200	6616/D	3830	8596
30,000	1032 x 215 x 266	200	6616/D	5230	8597

Prices w/o dispensing pump but incl. assembly * with ventilation pipe and bracket *** without dispensing pump

* with ventilation pipe



Folding fuel dispensing area, for installation outdoors [PG 9]

Folding fuel dispensing area, for installation outdoors

For the regulation-compliant, safe filling of your vehicles. Spilled fuel is held back and can be easily disposed of via a collecting channel when folded up. Approval applied for.

Patent protected.

The tray must lie on a level, stable surface. The folding mechanism must be anchored with the heavy load anchor included in the scope of delivery. Special advantages:

- compact design
- only a small amount of space is needed for the fuel dispensing area when folded up
- simple operation by means of an electrical chain block
- can be set up and used in one day
- non-slip surface
- no suitability assessment required
- painted tray (galvanized on request)
- with spray protection wall

- navigable threshold on three sides
- 2" tube sockets integrated into fuel dispensing area, also making it suitable as a fuel dispensing area for filling of the storage tank by the tanker when using an emergency shutoff function ASS
- integrated protective box for control pendant
- integrated attachment points/eyes for lifting the parts
- integrated wind load protection for securing the floor tray in a vertical position
- tray and accessories are supplied separately, without assembly



Folding fuel dispensing area 10754



Folds up easily with the electrical chain block. This is how little space the fuel dispensing area needs!





Wind load protection

Protective box for control pendant

Folding fuel dispensing area, for installation outdoors

Designation	External dimensions cm (I x w x h)	max. collection volume L	Wheel load to.	Weight approx. kg	Order no.
Folding fuel dispensing area, for installation outdoors, with pulley on column	500 x 284 x 316	500	50	930	10754

Accessories for diesel tanks and fuel dispensing area for outdoor installation [PG 4]

Designation	Order no.
 ASS fitting complete with accessories According to TRwS 781 chapt. 6.2.2. If the CEMO fuel dispensing area (order no. 10754) is equipped with this fitting, can also be used to fill the tank system according to TRwS 781 chapt. 4.2.2.3. Scope of delivery consists of: ASS fitting G2" with automatic closure filling station module for filler neck wall fitting for conversion of an existing overfill prevention sensor to ASS version, product ID "Diesel" IP 68 0.9 m earth cable • 1.9 m connecting cable between filling station module and wall fitting for overfill prevention sensor 	8693

D



Mobile tank systems for diesel (page 34-63)



mobile refuelling systems



- **Diesel trolley** • 60 and 100 litres
- individual PE tank
- approved for transport for immediate consumption according
- to ADR 1.1.3.1 c)
- with pump
- with wheels
- fully assembled see page 38-39



DT-Mobile Easy and DT-Mobile Easy COMBI

- 125 980 litres
- individual PE tank
- approved for transport under ADR (200, 460, 600 or 980 litres)
- approved for transport for immediate consumption according to ADR 1.1.3.1 c) (125, 200, 210, 430 or 440 litres)
- with pump
 - fully assembled

see page 40-48





MULTI-Tank

see page 60

- 400 1,500 litres
- HDPE single-wall tank with integrated galvanised sheet steel bund
- indoor installation does not require a bund, even in water-protected
- areas approved for transport (without mounted pump) according to the ADR



DT-Mobile Easy Generator tank

- 200 980 litres
- individual PE tank
- approved for transport under ADR (980 litres)
- approved for transport for immediate consumption according to ADR 1.1.3.1 c) (200 and 430 litres)
- · connections with quick-coupling
- · fully assembled
- see page 61

Diesel and heating oil trolley

- 60 and 100 litres
- individual PE tank
- approved for transport for immediate consumption according to ADR 1.1.3.1 c)
- · connections with quick-coupling
- · with wheels
- · fully assembled

see page 61



DT-Mobile PRO

- Generator tank 980
- 980 litres
- mobile diesel filling station
- · connections with quick-coupling
- approved for transport, storage and installation both indoors and outdoors according to the ADR
- double-wall: also approved for use in water-protected areas without a bund
- fully assembled

see page 62



CUBE-Tank-Mobile

- 1,000 1,500 litres
- PE single-wall tank with integrated PE bund
- with storage approval
- approved for transport according to the ADR
- · connections with quick-coupling
- approved for storage outdoors
- · does not require a bund, even in water-protected areas

see page 63







- NEW



Mobile tank systems for diesel



Important legal regulations for mobile tank systems

Legal basics

Mobile tank stations for diesel fuel and petrol are used in many plants/facilities. The legal basics are governed in the ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road), the GGVSEB (German Regulation Concerning the Transport of Dangerous Goods by Road and Rail) and the GGBefG (German Dangerous Goods Transportation Act). If the container is used as a fixed tank station, the filling station regulations for own consumption are applicable, see page 11.

Use of mobile diesel or petrol tank systems/IBC

According to the regulations on hazardous goods, mobile tank systems do not exist.

They are so-called IBCs. The abbreviation IBC stands for Intermediate Bulk Container. IBCs are used in various sectors for transport and storage, including the transport and storage of hazardous goods. They are filled with fluid or pourable products, but are also used for loose bulk products. This includes, for example, fuels for fueling machines, chemicals, waste products, dusts, but also food products, cosmetics and pharmaceutical products. IBCs contain a volume of up to 3,000 litres.

Exemptions in combination with the type of transport, sub-section 1.1.3.1c) ADR Craftomon regulation

Craftsman regulation –

If all exemption prerequisites according to 1.1.3.1 c) ADR are observed, complete exemption is granted in terms of hazardous- goods regulations. In other words, the hazardous-goods regulations are no longer applicable.

This lifts a great burden from agricultural, forestry, landscaping and crafts operations, because they no longer have to use the provisions otherwise applicable to the transport of hazardous goods. These are:

- use of design-tested packaging
- non-observance of identification and tagging regulations
- exemption from the obligation to carry fire-extinguishing equipment
- exemption from the obligation to carry accompanying documentation (here: carriage document)

In practical terms, this arrangement represents a significant easement, because deliveries for direct consumption up to max. 450 litres are exempted from the ADR regulations as per RSEB 1-5.1 (German Implementation Guideline for Regulation Concerning the Transport of Dangerous Goods by Road and Rail). Transport for direct consumption means that up to 450 L can be driven to the machine, even in a car. This quantity must not be left there, but must be immediately filled into the consumers' tanks and consumed.

Please also observe our **checklist** "Craftsman regulation", page 37.

Test or examination

From the viewpoint of hazardous-goods regulations, the mobile diesel filling stations are so called Intermediate Bulk Containers (IBC). The manufacturer uses different names for these diesel tank systems in some cases, e.g. container or tank. However, these terms, which are known from hazardous-goods legislation, do not have anything to do with the actually applicable packaging definition under hazardous-goods legislation, i.e. Intermediate Bulk Containers / IBC.

Unfortunately, tests and examinations are often not performed on the employed mobile tank systems by an inspection body approved by the German Federal Institute for Materials Testing (BAM) for Intermediate Bulk Containers (IBC). Tests and examinations of this kind are specified by regulations and laws such as the ADR (Accord européen relatif au transport international des marchandises dangereuses par route), the GGVSEB and the GGBefG (Regulations for the Transport of Dangerous Goods). The test or examination intervals are between 21/2 and 5 years - from the date of manufacture.

Check the type plate of your mobile diesel tank system.

If the last stamped test/examination was longer than 2½ years ago, you should have a test/examination performed by an authorised inspection body as soon as possible.



Example: DT-Mobile Easy 200 L



Diesel trolley

New idea – tried and tested CEMO quality.

Mobile fuelling on site used to be a tricky topic. Apart from the question of transport, smaller quantities of fuel were easily spilled, depending on whether tank connections, funnels or hoses were used. The new CEMO tank trolleys are a completely different story. They deliver up to 100 litres of diesel fuel or petrol on site in absolute safety and in accordance with regulations.



LiFePO4 battery

Totally mobile and cable free, independent of vehicle batteries.



Integrated ventilation

The integrated vent system means that fuel can be taken out continuously without the trolley needing to be opened.



Anti-kink protection + swivel joint + Shut-off valve

The anti-kink protection and swivel joint provide the best possible protection for your delivery hose. The container can be completely closed with a shut-off valve for transport.

Nozzle holder

Integrated delivery nozzle holder with lock.



Recesses for lashing straps

Integrated guides for lashing straps (100 L) provide safety for transport in the vehicle.

Hose holder

Whether upright or horizontal – everything fits; no hose out of place.



All-terrain wheels

Large tyres for simple handling on terrain and over stairs.





DT-Mobile Easy

Innovative diesel filling stations offering a wealth of useful features.



Adjustable lid mount

The adjustable lid mount allows it to be installed either on the left or the right for the best possible access.



Video DT-Mobile Easy



Nozzle holder The built-in holder secures the nozzle during transport.



Built-in ergonomic carry handles

The built-in carry handles enable the equipment to be handled easily during loading.



UN 1202

Integral forklift pockets The integral forklift slots make handling easier if the tank is full.

2



DT-Mobile Easy [PG 4]



DT-Mobile Easy with ADR approval Approved for transport under ADR.

Examinations every 2½ years corresponding ADR 6.5.4.4.1 b and ADR 6.5.4.4.2 b.**

Fully assembled.

Container:

- single-walled 200 L, 460 L or 600 L polyethylene
- with lid (200 L model)
- crane/lashing eyes (460 L and 600 L model)
- integral delivery nozzle holder
- integral filling nozzle
- integrated vent with pressure relief
- integral forklift slots and handles
- integral recesses (200 L) or loops (460 L and 600 L) for ratchet tie-downs during transport

Pre-assembled pump:

- self-priming 12V or 24V pump DC, 25 or 40 L/min, with automatic or manual nozzle, 4 m filling hose and 4 m electrical cable
- 12 V pump CENTRI SP30, 12 V, 30 L/min, extremely quiet, with automatic nozzle,
- 4 m filling hose and 4 m electrical cable • hand pump 25 L/min, 2.7 m filling hose and manual nozzle
- ** Transport approval for all IBC plastics is limited to a life of 5 years. The 200 L model is therefore also approved for transport for direct consumption under ADR 1.1.3.1 c).





DT-Mobile Easy 600 L with electric pump, automatic delivery nozzle and hinged lid

DT-Mobile Easy with ADR approval

Designation/ Capacity	Dimensions in cm (I x w x h)	Weight approx. kg	Order no.
DT-Mobile Easy 200 L with hand pump, manual nozzle and hinged lid	80 x 62 x 61	26	10080
DT-Mobile Easy 200 L with pump CENTRI SP 30, 12 V, 30 L/min, extremely quiet, automatic nozzle and hinged lid	80 x 62 x 61	24	10735*
DT-Mobile Easy 200 L with pump 12 V, 40 L/min, automatic nozzle and hinged lid	80 x 62 x 61	28	10083
DT-Mobile Easy 200 L with pump 24V, 40 L/min, automatic nozzle and hinged lid	80 x 62 x 61	28	10112
DT-Mobile Easy 460 L without pump, with quick coupling for vehicles with integrated suction pump	116 x 80 x 81	42	10415
DT-Mobile Easy 460 L with pump 12 V, 40 L/min and automatic nozzle	116 x 80 x 81	47	10416
DT-Mobile Easy 460 L with pump 24 V, 40 L/min and automatic nozzle	116 x 80 x 81	47	10417
DT-Mobile Easy 460 L with pump 12 V, 40 L/min, automatic nozzle and hinged lid	116 x 80 x 86	60	10418
DT-Mobile Easy 460 L with pump 24V, 40 L/min, automatic nozzle and hinged lid	116 x 80 x 86	60	10419
DT-Mobile Easy 600 L without pump, with quick coupling for vehicles with integrated suction pump	116 x 80 x 102	48	10084
DT-Mobile Easy 600 L with pump 12 V, 40 L/min and automatic nozzle	116 x 80 x 102	53	10085
DT-Mobile Easy 600 L with pump 24V, 40 L/min and automatic nozzle	116 x 80 x 102	53	10086
DT-Mobile Easy 600 L with pump 12 V, 40 L/min, automatic nozzle and hinged lid	116 x 80 x 107	66	10087
DT-Mobile Easy 600 L with pump 24V, 40 L/min, automatic nozzle and hinged lid	116 x 80 x 107	66	10088

* Order no. 10735: SP package



DT-Mobile Easy 210 L and 440 L [PG 4] DT-Mobile Easy COMBI 440/50 L [PG 4]



available from august 2018

 \wedge

DT-Mobile Easy

approved for transport for immediate consumption according to ADR 1.1.3.1 c).

Container:

- 210 L, 440 L and 440/50 L polyethylene, single-walled
- integral delivery nozzle holder
- integral filling nozzle
- integral vent with pressure relief
- integral forklift slots and handles
- integral recesses for tie-downs during transport

Pre-assembled pump:

- self-priming, pump 12 V 40 L/min, with automatic or manual nozzle, 4 m filling hose and 4 m electrical cable
- pump CENTRI SP 30, 12 V, 30 L/min, extremely quiet, with automatic nozzle, 4 m filling hose and 4 m electrical cable

COMBI versions with additional tank for AdBlue[®]:

with pump CENTRI SP30, 12 V, 4 m filling hose and automatic delivery nozzle



-000

DT-Mobile Easy COMBI 440/50 litre with hinged lid

DT-Mobile Easy 440 litre with electric pump 12 V, 40 L/min, automatic nozzle

DT-Mobile Easy 210 litre with electric pump CENTRI SP 30





⁴⁴⁰ L and 440/50 L

DT-Mobile Easy according to ADR 1.1.3.1 c)

Designation	Dimensions in	Weight	Order
	cm (l x w x h)	approx. kg	no.
DT-Mobile Easy 210 litre			
Electric pump CENTRI SP 30 12 V, 30 L/min, automatic nozzle	78.5 x 59.5 x 68.5	18.8	10978
Electric pump 12 V, 40 L/min, automatic nozzle	78.5 x 59.5 x 68.5	21.6	10980
Electric pump CENTRI SP 30 12 V, 30 L/min, automatic nozzle, hinged lid	78.5 x 59.5 x 68.5	20.5	10981
Electric pump 12 V, 40 L/min, automatic nozzle, hinged lid	78.5 x 59.5 x 68.5	23.3	10983
DT-Mobile Easy 440 litre Basic			
Electric pump CENTRI SP 30 12 V, 30 L/min, automatic nozzle	118 x 80 x 71	32.5	10984
Electric pump 12 V, 40 L/min, automatic nozzle	118 x 80 x 71	35.3	10986
Electric pump CENTRI SP 30 12 V, 30 L/min, automatic nozzle, hinged lid	118 x 80 x 71	36.3	10987
Electric pump 12 V, 40 L/min, automatic nozzle hinged lid	118 x 80 x 71	39.1	10989
DT-Mobile Easy COMBI 440/50 litre			
Electric pump CENTRI SP 30 12 V, 30 L/min, automatic nozzle, hinged lid	118 x 80 x 85	51.0	10991
Electric pump 12 V, 40 L/min, automatic nozzle, hinged lid	118 x 80 x 85	53.8	10993

Technical specifications subject to change.



Accessories for DT-Mobile Easy [PG 4]

Accessories for DT-Mobile Easy

Beschreibung		Order no.
	Lid for DT-Mobile Easy 125 L and 200 L (from year of construction 2011)	8963
	Hinged lid lock for DT-Mobile Easy 125 L and 200 L, complete with two keys	10214
	Lid for DT-Mobile Easy 210 L	11062
and the second s	Lid for DT-Mobile Easy 440 L and 440/50 L	11057
	Lid for DT-Mobile Easy 430 L, 460 L, 600 L, 850/100 L and 980 L (can be hinged on right or left)	8833
	Digital flow meter K24 for electric pump 12 V and 24 V, 40 L/min for DT-Mobile Easy 200 L	8832
0 124 0	Digital flow meter K24 for electric pump 12 V and 24 V, 40 L/min, for DT-Mobile Easy 430 L, 460 L and 600 L	8908
	Meter K33 for DT-Mobile Easy 850/100 L and 980 L	10905
	Contents gauge for DT-Mobile Easy 430 L and 460 L	8881
C. C.	Contents gauge for DT-Mobile Easy 440 L	11058
Totel -	Contents gauge for DT-Mobile Easy 440/50 L	11059
F	Contents gauge for DT-Mobile Easy 600 L	10089
	Contents gauge for DT-Mobile Easy 850/100 L and 980 L	10830
	Oil-resistant anti-slip mat for DT-Mobile Easy 125 L and 200 L, oil- and weather-resistant	10166
	Oil-resistant anti-slip mat for DT-Mobile Easy 430 L, 460 L and 600 L, oil- and weather-resistant	10167
et	DIN 9680 plug, 3-pin, 6 - 24 V, max. 25 A, IP 54	10229
	DIN 9680 socket, 3-pin, 6 - 24 V, max. 25 A, IP 54	10230
UN 1302 UN 1203 UN 1203 UN 1203	Adhesive label set for retrofitting to DT-Mobile Easy	10261



DT-Mobile Easy with LiFePO₄ battery system [PG 4]





incl. charger

DT-Mobile Easy with LiFePO₄ battery system



Lithium-iron phosphate battery (LiFePO₄) as second battery see accessroy

Designation	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
DT-Mobile Easy 125 L with pump CENTRI SP30, 12 V, LiFePO ₄ battery, charger and automatic nozzle	80 x 60 x 45	20	10732
DT-Mobile Easy 200 L with pump CENTRI SP30, 12 V, LiFePO ₄ battery, charger and automatic nozzle	80 x 60 x 59	21	10733

Accessory for DT-Mobile Easy with LiFePO₄ battery system

Designation

Lithium-iron phosphate battery (LiFePO₄), 12.8 V – 3.3 Ah as spare battery

Order no. 10602

DT-Mobile Easy with Li-Ion-battery system [PG 4]

Professional Li-ion-battery system for cable-free and independent mobile fuelling

specifically for DT-Mobile Easy with electric pump 24V (see page 42/43)

- battery charging sufficient for a pumping capacity of u
- battery replacement in secure mount thanks t
- integrated electronics and operator, prevents overheating and short-
- operating temperature -20°C to +50°C
- very low self-discharge

Designation

DT-Mobile Easy \

up to 950 litres n seconds, to slide pack to protect cells ts deep discharge, t-circuits e range: ge with Li-Ion-battery system			
	Dimensions in cm (I x w x h)	Weight approx. kg	Order no.
vith electric pump 24 V, 40 L/min, Li-Ion-battery 3,0 Ah,	116 x 76 x 78	60	10323

DT-Mobile Easy 600 L

and electric pump

with Li-Ion-battery system

	(
DT-Mobile Easy 430 L with electric pump 24 V, 40 L/min, Li-Ion-battery 3,0 Ah, automatic nozzle and hinged lid	116 x 76 x 78	60	10323
DT-Mobile Easy 460 L with electric pump 24 V, 40 L/min, Li-Ion-battery 3,0 Ah, automatic nozzle and hinged lid, with ADR approval	116 x 80 x 86	62	10414
DT-Mobile Easy 600 L with electric pump 24V, 40 L/min, Li-Ion-battery 3,0 Ah, automatic nozzle and hinged lid, with ADR approval	116 x 80 x 107	68	10320

Accessories for DT-Mobile Easy with Li-Ion-battery system

Designation		Weight approx. kg	Order no.
	Li-ion-battery 25.2 V/3.0 Ah with slide pack, as spare battery	1.0	10283
1	Charger L2830MS, 220 - 240 VAC, 3 A charging current, charge time approx. 1.5 h, temperature control and diagnostics function	0.6	10284



DT-Mobile PRO and DT-Mobile PRO COMBI [PG 4]

Many operators want complete, time-saving and simple solutions for the combined filling of diesel and AdBlue[®] on site.

Container handling should also be as simple and time-saving as possible. The combination canister (petrol and oil) for petrol-driven saws is an example.

CEMO has now rigorously implemented the wishes of professionals with the DT-Mobil CUBE COMBI.

NEW

- with ADR transport approval
- 980 L capacity, therefore below the exemption limit of 1,000 L according to ADR 1.1.3.6.3
- also ideally suited for biodiesel and diesel with increased biodiesel content
- inner container with integrated functional elements such as powerful pumps, hose reel (with 1" hose), meter and filter with water separator, delivery nozzle holder, optionally with quick-couplings for tent heaters and power generators.
- versions with powerful 12 V, 24 V and 230 V electric pumps
- DT-Mobil CUBE COMBI with second inner container in polyethylene, for AdBlue[®], with CENTRI SP 30 electric pump
- \bullet bund volume of 110 %
- approved for use in water conservation areas

optimal use of space

cubic shape, hence optimal use of space



Outer container in painted 3 mm steel sheet – high-quality coating.



high stability

Inner container in painted 3 mm steel sheet, alternatively in polyethylene, with integrated baffle.



transport-friendly

Galvanised forklift slots and stacking corners with crane eyes simplify transport and setup. Two tanks can be stacked one on top of the other.

* National installation laws and conditions are to be observed. We will be happy to advise you.



UN 1202



DT-Mobile PRO PE [PG 4]





- DT-Mobile PRO PE 980 Basic
- capacity 980 litre
- with inner tank for diesel made from polyethylene****
- 4 m filling hose DN 25
- (without hose reel, meter and filter)
- automatic nozzle
 Electric pump Bipump 12 V, 500 W, approx. 85 L/min***

Order no. 10787

(More details see below)





 with inner tank for diesel made from polyethylene****

Versions Basic:

- powerful electric pump
- 4 m filling hose DN 25 (without hose reel, meter and filter)
- automatic nozzle

Versions Premium:

• powerful electric pump

- hose reel with 8 m hose DN25
- K33 meter
- filter with water separator
- automatic nozzle

Pumps:

- Electric pump Bipump 12 V, 500 W, approx. 85 L/min***
- Electric pump Cematic Duo 24/12 V, 420 W, approx. 70/35 L/min***
- Electric pump Cematic 72, 230 V, 500 W, approx. 72 L/min***
- Hand pump 60 L/min***

Examination every 2 $\frac{1}{2}$ years (see ADR 6.5.4.4.1 b and ADR 6.5.4.4.2 b).



DT-Mobile PRO PE 980 Basic, with pump Cematic Duo



DT-Mobile PRO PE 980 Premium, with pump Cematic Duo



DT-Mobile PRO PE 980 with hand pump 60 L/min

DT-Mobile PRO PE diesel tank without pump or with hand pump

Designation	Capacity L	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
DT-Mobile PRO PE 980 without pump, with quick coupling	980	130 x 115 x 130	330	10937
DT-Mobile PRO PE 980 with hand pump 60 L/min, 4 m filling hose, nozzle	980	130 x 115 x 130	335	11026

DT-Mobile PRO PE diesel tank with electric pumps

Designation	Capacity L	Dimensions in cm (I x w x h)	Weight approx. kg	• •	Cematic Duo 24/12 V Order no.	Cematic 72, 230 V Order no.
DT-Mobile PRO PE 980 Basic	980	130 x 115 x 130	365	10787	10797	10807
DT-Mobile PRO PE 980 Premium	980	130 x 115 x 130	385	10789	10799	10809

*** Pump output in free flow. Please note that the pump output can fall sharply depending on the length and cross-sectional area of the hose.

**** Please note that transport approval for all combination IBCs with plastic inner tanks for diesel is limited to a period of 5 years. After that, the inner tank must be replaced. We offer you this tank replacement service.

For accessories and tank replacement service, see page 53.



DT-Mobile PRO ST [PG 4]

DT-Mobil PRO ST

- with inner tank for diesel made from painted 3 mm steel sheet
- Approval for unlimited period of time

Versions Basic:

- powerful electric pump
- 4 m filling hose DN 25 (without hose reel, meter and filter)
- automatic nozzle

Versions Premium:

- powerful electric pump
- hose reel with 8 m hose DN25
- K33 meter
- filter with water separator
- automatic nozzle

Versions Premium Plus:

- powerful electric pump
- hose reel with 8 m hose DN25
- meter with access control and tank data management system "CMO 10" for up to 250 users, incl. 5 user keys and 1 master key, modem for remote data transfer, GPS function
- electronic contents gauge
- filter with water separator
- automatic nozzle

Examination every 2 $1\!\!\!/_2$ years (see ADR 6.5.4.4.1 b and ADR 6.5.4.4.2 b).

overfill prevention sensor

optional

DT-Mobile PRO ST diesel tank without pump or with hand pump

14 1212



- Electric pump Bipump 12 V, 500 W, approx. 85 L/min***
- Electric pump Cematic Duo 24/12 V, 420 W, approx. 70/35 L/min***
- Electric pump Cematic 72, 230 V, 500 W, approx. 72 L/min***
- Hand pump 60 L/min***



DT-Mobile PRO ST 980 Basic, with pump Cematic 72

NEW

DT-Mobile PRO ST 980 Premium, with pump Cematic 72

6





Order no. 10944

10960

Designation	Capacity L	Dimensions in cm (l x w x h)	- 3	Order no.
DT-Mobile PRO ST 980 without pump, with quick coupling	980	130 x 115 x 130	475	10942
DT-Mobile PRO ST 980 with hand pump 60 L/min, 4 m filling hose, nozzle	980	130 x 115 x 130	480	11027

DT-Mobile PRO ST diesel tank with electric pump

Designation	Capacity	Dimensions in	Weight	Bipump 12 V	Cematic Duo 24/12 V	Cematic 72, 230 V
	L	cm (I x w x h)	approx. kg	Order no.	Order no.	Order no.
DT-Mobile PRO ST 980 Basic	980	130 x 115 x 130	500	10788	10798	10808
DT-Mobile PRO ST 980 Premium	980	130 x 115 x 130	525	10790	10800	10810
DT-Mobile PRO ST 980 Premium Plus	980	130 x 115 x 130	525	10791	10801	10811

Accessories suitable for DT-Mobile PRO ST without pump or with hand pump

Designation

Overfill prevention sensor for DT-Mobile PRO ST, without pump or with hand pump
Delivery line with quick coupling set (flow and return lines)

*** Pump output in free flow. Please note that the pump output can fall sharply depending on the length and cross-sectional area of the hose.

***** Please note that transport approval for all combination IBCs with plastic inner tanks for diesel is limited to a period of 5 years. After that, the inner tank must be replaced. We offer you this tank replacement service. Accessory for DT-Mobile PRO ST and PRO ST COMBI with electric pump see page 55.

NEW

DT-Mobile [PG 4]

Tank system

for mobile outdoor and indoor use

indefinite approval period

- approved according to ADR for transport
- capacity 400, 600 or 980 litre, i.e. lower than the permitted limit of 1000 litres as per ADR chapter 1.1.3.6.3.
- galvanised
- with two crane eyes and forklift pockets
- guard ring for pump system
- dip stick
- discharge line R 1", lockable
- ventilation pipe R 11/2", lockable
- filling connection R 2", lockable
- DT 980 with overfill prevention sensor
- for orders of 5 or more, available in company colours

Double-wall model:

- also approved as a storage container according to DIN 6623
- approved for water-protected areas*
- with bund alarm

Single-wall model:

• if used in water-protected areas, a bund is to be provided

Examinations every 21/2 years corresponding ADR 6.5.4.4.1 and ADR 6.5.4.4.2.



Pump hood model double-wall, hot galvanised (see also Mobile package 980 L)

Mobile package 980 L

Mobile package savings %

Designation

DT-MOBIL 980 L <u>double-wall</u>, galvanised, with lockable pump hood (order no. 7386) with electric pump 12 V, 50 L/min, automatic nozzle and 4 m filling hose (order no. 7981)

Order no. 10287

DT-MOBILE single-wall, hot galvanised

Diesel tank system as described above

Approval no.: D/BAM 6167/31A (400 L and 600 L), D/BAM 5454/31A (980 L)

dou	ole sidedhot-galvanised model	Capacity L	Dimensions in cm (I x w x h)	Weight approx. kg	Order no.
	with lockable pump hood,	400	95 x 95 x 147	146	7316
А	completely mounted	600	95 x 95 x 176	171.5	7314
	(except pump etc.)	980	120 x 120 x 177	179.5	7233
	with lockable pump cabinet,	400	95 x 95 x 147	160	7746
В	completely mounted	600	95 x 95 x 177	185	7747
	(except pump etc.)	980	120 x 120 x 177	193	7748

DT-MOBILE double-wall, hot galvanised

Diesel tank system as described above

Approval no.: D/BAM 6599/31A (400 L and 600 L galvanised), D/BAM 6600/31A (980 L galvanised)

do	uble sidedhot-galvanised model	Capacity L	Dimensions in cm (I x w x h)	Weight approx. kg	Order no.
v	with lockable pump hood,	400	96 x 96 x 150	216	7577
Α	completely mounted	600	96 x 96 x 177	258	7578
(except p	(except pump etc.)	980	121 x 121 x 181	305	7386
	with lockable pump cabinet,	400	96 x 96 x 150	229	7749
В	completely mounted	600	96 x 96 x 177	271	7750
	(except pump etc.)	980	121 x 121 x 181	318	7751

* National installation laws and conditions are to be observed. We will be happy to advise you.



-

DT-Mobile [PG 4]

Accessories suitable for single- and double-walled mobile diesel systems [PG 4]

Designation	-		Order no.			
	Lockable pump hood (included in model B)		7219			
	Lockable pump cabinet with delivery nozzle holder					
A	Hand pump, 40 L/min, with elbow spout and 4 m filling hose					
	Flow meter for hand pump		7579			
Canal Co	Electric pump 12 V, 50 L/min, with automatic nozzle and 4 m f	illing hose	7981			
		illing hose (can also be operated at 12 V, in which case Reliably self-priming only for operation with 24 V.	7982			
	Electric pump 230 V, 50 L/min, with automatic nozzle and 4 m f	illing hose	7222			
	Electric pump 230 V, 80 L/min, with truck automatic nozzle and 6 m filling hose DN 25					
I	Flow meter for electric pump		7753			
	Extension hose DN 19 for electric pump	2 m, with 1" connection	7071			
<u> </u>	approx. 50 L/min	4 m, with 1" connection	7072			
	suitable for DT-Mobile without p (order no. 7315, 7313, 7215, 75) and with lockable pump cabinet (order no. 7746, 7747, 7748, 774	75, 7576, 7385, 8586, 7383) Iubricants vegetable oil	8695			
	delivery nozzles. This splash gua	oped to simplify the filling of mobile diesel tank systems using ard insert is simply inserted into the filler neck. It serves as a sealing of the DT-Mobile and the outlet nozzle of the delivery nozzle.	8272			
-	Battery cable, 2.3 m, with 3-pin European standard so	ocket	8194			
	Ratchet tie-down 35 mm x 3 m, 2-piece with hooks		8834			
UN 1202 UN 1203 UN 1203 UN 1203	Adhesive label set for DT-Mobil and KS-Mobil retro	fitting	10261			
	For further hose lengths, see page	9 116.				

Reliable energy supply for mobile heaters and generators



- Mobile diesel and heating oil tanks for fan heaters and power generators
- Indoor and outdoor
- Transport-friendly with tyres, forklift slots or foot pallet
- Capacities from 60 to 1,500 litres

MULTI-Tank [PG 4]

Tank

- made of HDPE with integral galvanised sheet steel bund
- with rigidly connected sheet steel pallet for handling with a forklift or pallet truck from any of the four sides
- standard accessories: filling contents gauge, visual bund
- · for storage of diesel, biodiesel without a bund, even in water-protected areas*
- · approved for installation indoors
- can be filled with a tanker delivery nozzle (except MULTI-Tank 1500 L).

Particular advantages:

- approved for transport according to the ADR, but without a pump fitted examination after 21/2 years (see ADR 6.5.4.4.1 b and ADR 6.5.4.4.2 b).**
- · lower centre of gravity increases stability and improves handling/transport





MULTI-Tank

Capacity L	Dimensions cm (I x w x h)	Approval no. for storage and transport	Weight approx. kg	Order no.
400	73 x 74 x 117	Z-40.21-365 / D/BAM 6403/31 HA1	55	7536
750	98 x 80 x 146	Z-40.21-288 / D/BAM11580/31HA1	82	7381
1000	128 x 80 x 147	Z-40.21-288 / D/BAM11581/31HA1	100	7382
1500	164 x 80 x 191	Z-40.21-432 / D/BAM6404/31 HA1	165	7539

National installation laws and conditions are to be observed. We will be happy to advise you.

The transport approval for all plastic-IBC is limited to 5 years.

Accessories see page 20.



DT-Mobile PRO generator tank 980 [PG 4]

Our new DT-Mobil PRO tank is characterised by its extremely high stability due to the steel outer container with hot-dip galvanised steel forklift slots and stacking corners with crane eyes.

DT-Mobile PRO generator tank 980

- Approved for transport under ADR
- with connections with quick-coupling for tent heaters and power generators
- <u>DT-Mobile PRO PE 980 generator tank</u>: with inner tank for diesel made from polyethylene***, with 2 connections with quick-coupling (1 x flow, 1 x return)
- <u>DT-Mobile PRO **ST** 980 generator tank:</u> Approval for unlimited period of time, with inner tank for diesel made from painted 3 mm steel sheet, with 4 connections with quick-coupling (2 x flow, 2 x return)

Examination every 2 $1\!\!/_2$ years (see ADR 6.5.4.4.1 b and ADR 6.5.4.4.2 b).





DT-Mobile PRO PE 980, generator tank with two connections

DT-Mobile PRO generator tank

Designation	Capacity L	Dimensions in cm (I x w x h)	Weight approx. kg	Order no.
DT-Mobile PRO 980 PE generator tank with 2 connections with quick-coupling (1 x flow, 1 x return)	980	130 x 115 x 130	325	10785
DT-Mobile PRO 980 ST generator tank with 4 connections with quick-coupling (2 x flow, 2 x return)	980	130 x 115 x 130	470	10786

DT-Mobile PRO ST 980,

generator tank with four connections

Accessories suitable for DT-Mobile PRO ST generator tank

Designation	Order no.
Overfill prevention sensor for DT-Mobile PRO ST	10944
Delivery line with quick coupling set (flow and return lines)	10960

Tank replacement service

Designation	Order no.
Replacement of the inner tank of the PRO PE versions, incl. ADR test certificate	10874

*** Please note that transport approval for all combination IBCs with plastic inner tanks for diesel is limited to a period of 5 years. After that, the inner tank must be replaced. We offer you this tank replacement service.



* TIP

Please note that transport approval for all combination IBCs with plastic inner tanks for diesel is limited to a period of 5 years. After that, the inner tank for diesel must be replaced. We offer you this tank replacement service including ADR test certificate for \in 449. This saves you the testing by an expert after 5 years (costs approx. \in 250).





Accessory: Delivery line with quick coupling set each with counterpart and 3/8" ET connection for flow and return line suitable for mobile oil heaters and generators



Protected hose routing

Ce

62

Tank systems for petrol





Tank systems for petrol (page 64-73)



Canisters

- 5 L to 25 L
- model with explosionproof filling
- model double canister
- model with manual hand pump

see page 70





lashback arrester

Fuel trolley

- 60 L + 95 L
- · mobile tank system for petrol
- suitable for use under ADR 1.1.3.1 c) for single site refuelling by a person in the course of their main business
- container constructed from high density electrically conductive polyethylene to eliminate static
- flashback arrester
- · large tyres, all-terrain

see page 71





KS-Mobile

- 90 L 300 L
- mobile tank system for petrol
- approved for transport under ADR
- explosion shock proof construction
- see page 73

Airfield tank systems on request



explosion pressure resistant

KS-Mobile

- 400 L 980 L
- mobile tank system for petrol
- approved for transport according to ADR, also in water-protected areas
- approved as a storage tank according to DIN 6623
- explosion shock proof construction

see page 68-69



explosion-suppressing insert (patent protected), hence no explosive atmosphere inside the container

KS-Mobile Easy

- 120 L + 190 L
- · mobile tank system for petrol
- · approved for transport according to ADR
- electrically conductive highly
 cross-linked polyethylene
- patented flame suppressant filling

see page 72



Fuel tank systems, stationary and mobile [PG 4]

Tank system

KS-Mobile double-walled with general construction inspection approval no. D/BAM 6599/31A

- (400 L and 600 L), D/BAM 6600/31A (980 L)
- for mobile outdoor and indoor use
- indefinite approval period
- approved for transport according to ADR, also in water-protected areas*
- approved as a storage tank according to DIN 6623
- approved for petrol
- capacity 400, 600 or 980 litre
- design approved as a complete system in all variations
- KS-Mobile for bioethanol on request Construction:

double-walled steel container

- explosion shock proof construction
- with two crane eyes
- forklift pockets
- guard ring for pump system
- dip stick
- discharge line R 1", lockable
- ventilation pipe R 2", lockable
- filling connection R 2", lockable
- bund alarm and overfill prevention sensor
- long, removable ventilation pipe (3 m above ground)

Examinations every 2½ years corresponding ADR 6.5.4.4.1 and ADR 6.5.4.4.2.



Model with pump cabinet, double-walled, hot galvanised, design approved



explosion pressure resistant

KS	-	M	0	bi	le	do	bub	ole-	-wa	II	ed		

double sidedhot-galvanised model		Capacity L	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
	without pump hood,	400	96 x 96 x 114	211	7754
1. completely mounted (except pump etc.)	completely mounted	600	96 x 96 x 141	253	7755
	(except pump etc.)	980	121 x 121 x 141	300	7756
	with lockable pump cabinet,	400	96 x 96 x 150	229	7760
2.	completely mounted	600	96 x 96 x 177	271	7761
	(except pump etc.)	980	121 x 121 x 181	318	7762

Accessories suitable for mobile fueling systems

Designation		Order no.
	lockable pump cabinet with delivery nozzle holder (included in model 2)	7763
	Filling hose for gasoline/petrol for extension or as a replacement, 4 m, coupling nut on one side, other side 1" outer thread	8521
-	Automatic delivery nozzle for petrol, EN13012, ATEX, with swivel joint 1" inside thread	10142
UN 1202 UN 1202 UN 1203 UN 1203	Adhesive label set for DT-Mobile and KS-Mobil retrofitting	10261

According to TRbF (German Technical Regulations for Combustible Liquids), if actively storing petrol, a distance of 10 m between the container and building must be maintained, unless the building wall is constructed according to TRbF or there are fire-resistant components of sufficient width and height between the building and the container (e.g. F90 fire prevention store). According to health and safety regulations, all filling stations for petrol must have a permission (applicable when used as fixed filling station). We will be happy to advise. Please note: The permitted max. amount for petrol is according to ADR chapter 1.1.3.6.3, 333 L (basic requirements, e.g. no dangerous good driving permit necessary).

Flease hole. The permitted max, amount for perior is according to ADA chapter 1.1.5.0.5, 555 L (basic requirements, e.g. no dangelous good driving permitted

National installation laws and conditions are to be observed. We will be happy to advise you.

Canisters [PG 4]



safe fuelling

close after filling

unintentional opening



Double canister "Profi" 6 I/3 L with saddlebag and safety filling system

Ex0 Canister

- ADR-approved
- container made from HDPE
- patented explosion and shockproof construction
- fulfils the highest safety requirements
- · child safety lock
- spout integrated in the canister
- fits commercially available canister holders
- stackable to save space



Ex0 canister, 20 L and 10 I



Canister 25 L with delivery nozzle pump

- HD-PE container 25 I
- approved for the transport of fuel
- · handle for easy use
- nozzle with integral hand pump, up to 7.5 L/min, with locking latch on trigger guard
- 1.5 m flexible delivery hose





(1) Knurled nut for securing the locking cap (2) Vent valve

③ Delivery nozzle holder

Canister 5 L and 10 I

- ADR-approved
- HDPE container
- spout integrated
- child safety lock



Accessory safety filling system (also for ExO canister)

Canisters

Designation/Capacity	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
Canister 5 L	26.5 x 15 x 25	0.5	10843
Canister 10 L	33 x 16.5 x 32.5	0.6	10844
Ex0 Canister 10 L with explosion-proof filling	35 x 17 x 31	2	10268
Ex0 Canister 20 L with explosion-proof filling	35 x 17 x 49.5	3	10269
④ Accessory safety filling system red, for canister 5 L, 10 L and ExO canister			10845
(5) Accessory safety filling system green (oil), for canister 5 L, 10 L and ExO canister			10846
Double canister "Profi" 6 L/3 L, nature with saddlebag and safety filling system Fuel + Oil	36 x 20 x 30	1,7	10449
Canister 25 L with manual hand pump	36 x 24 x 43	2.1	10046

Important notice: All petrol canisters must be labelled with safety and danger signs (10 x 10 cm) according to health and safety regulations.

KS-Mobile Easy [PG 4]

KS-Mobile Easy 120 L and 190 L approved for transport under ADR approval no. D/BAM 14341/31H2 Examinations every 2½ years corresponding ADR 6.5.4.4.1 b*** and ADR 6.5.4.4.2 b.

Fully assembled.

Container:

- single-walled 120 L or 190 L
- electrically conductive highly cross-linked polyethylene
- patented flame suppressant filling
- dipstick for checking fill level
- integral delivery nozzle holder
- integral filling nozzle
- integral vent and pressure relief
- integral forklift pockets
- integral handles
- integral recesses for Ratchet tie-down during transport

Pre-assembled pump:

- 25 L/min hand pump, 2.7 m filling hose (statically conductive) and manual nozzle
- self-priming electric pump 12V DC

resp. 40V AC 40 L/min, ATEX-approved, automatic delivery nozzle, 4 m filling hose (statically conductive) and 4 m electrical cable (pump 230V without cable)



Accessories for digital flow meter K24 ATEX, for assembly between the filling hose and automatic nozzle for the version with electric pump, see p. 125







explosion-suppressing insert (patent protected), hence no explosive atmosphere inside the container



KS-Mobile Easy 120 L with hand pump



KS-Mobile Easy 190 L with electric pump

KS-Mobile Easy

Designation/Capacity	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
KS-Mobile Easy 120 L with hand pump	80 x 60 x 45	23	10091
KS-Mobile Easy 120 L with electric pump 12 V, 40 L/min, ATEX and automatic nozzle	80 x 60 x 45	33	10220
KS-Mobile Easy 120 L with hand pump and hinged lid	80 x 60 x 47	26	10092
KS-Mobile Easy 120 L with electric pump 12V, 40 L/min, ATEX, automatic nozzle and hinged lid	80 x 60 x 47	36	10222
KS-Mobile Easy 190 L with hand pump	80 x 60 x 59	25	10093
KS-Mobile Easy 190 L with electric pump 12 V, 40 L/min, ATEX and automatic nozzle	80 x 60 x 59	35	10221
KS-Mobile Easy 190 L with hand pump and hinged lid	80 x 60 x 61	28	10094
KS-Mobile Easy 190 L with electric pump 12 V, 40 L/min, ATEX, automatic nozzle and hinged lid	80 x 60 x 61	38	10223
KS-Mobile Easy 190 L with electric pump 230 V, 40 L/min, ATEX and automatic nozzle	80 x 60 x 59	35	10458

*** The transport approval for all plastic-IBC is limited to 5 years.
Tank systems for lubricants





CUBE-Tank for lubricants [PG 4]

The new CUBE-Lubricant tank belongs to the first filling station generation to have been developed as a complete system from the outset. Previous disadvantages,

Dispensing station for lubricants, Basic and Premium with general construction inspection approval no. Z-40.21-510

- comprising integrated bund
- visual bund alarm
- tanker coupling
- electronic overfill sensor
- vent
- analogue contents gauge
- suction hose
- 230V electric gear pump 9 L/min at 12 bar (cannot be calibrated)
- 4m delivery hose nozzle with handheld digital flow meter
- integral nozzle holder
- approved for outdoor installation with hinged lid (outdoor model)
- fully assembled

Electric pumps (technical data)

Electric pump 230 V (cannot be calibrated*). Gear pump with a delivery rate of 9 L/min, max. delivery pressure 12 bar, suitable for engine, transmission and hydraulic oils up to SAE 140

* see information on weights and measures regulation on page 78



Accessory hose reel



Everything has its place here and nothing interrupts the filling process.

CUBE-Tank for lubricants 1,000 L Outdoor Premium



Accessory LED instrument lighting



230 V electric gear pump 9 L/min at 12 bar with digital handheld flow meter for lubricants (cannot be calibrated*)

* see information on weights and measures regulation on page 78



CUBE-Tank for lubricants

CUBE-Tank for lubricants
1,500 L Outdoor Premium

Designation	Capacity L	External Dimensions cm (w x d x h)	Weight kg	Order no.
CLIDE Task Indeen Dasis for lubricante	1000	120 x 80 x 174	140	10308
CUBE-Tank Indoor Basic, for lubricants	1500	120 x 115 x 174	170	10309
CUBE-Tank Indoor Premium, for lubricants	1000	120 x 80 x 174	160	10310
incl. hose reel with 15 m hose	1500	120 x 115 x 174	190	10311
CUBE-Tank Outdoor Premium, for lubricants incl. hose reel with 15m hose; hinged lid	1000	120 x 80 x 180	175	10312
	1500	120 x 115 x 180	205	10313
······································	2500	120 x 180 x 180	260	10424

Accessories for CUBE-Tank for lubricants

Designation	Order no.
Hinged lid, orange, complete with supporting gas struts and mounting accessories	10324
Hose reel with 15 m filling hose	10423
LED instrument lighting with motion sensor and battery	10378

Technical specifications subject to change.

Compact lubricant system ECO, pneumatic for fresh oil [PG 4]

Tank from HDPE with integral galvanized steel plate bund, standard accessories such as pallet feet, level

accessories such as pallet feet, level indicator, visual bund alarm, suction set, pump, 4 m filling hose and manual digital flow meter, with mounting and drip cup. Without installation.

For above ground storage of clean oil with a flash point >55 °C. Also approved for indoor installation in water protected areas without a bund^{*}.

Pneumatic pump (technical data)

Pneumatic pump 3:1 (cannot be calibrated*), ratio 3:1, operation at 6 - 8 bar, max. delivery rate 14 L/min, compressed-air connection ¼["] IG, medium outlet ½["] IG, air consumption approx. 330 L/min, Suction connection 1" IG, operation, only with service unit, delivery medium oil up to SAE 90





* see information on weights and measures regulation below

Important information the Weights and Measures Regulation (extract)

Regulation on the putting into circulation and provision of measuring devices on the market and on their use and calibration (Weights and Measures Regulations – MessEV)

§ 5

Uses exempt from the scope of application

- (1) The Weights and Measures Act and these regulations are not to be applied to measuring devices or readings that are used in normal commercial practice
- 6. in businesses of the motor trade or at public filling stations for determining the volume or the mass of lubricating or transmission oil, brake fluid, refrigerant for air conditioners, anti-freeze or screenwash

Compact systems with pneumatic pump Individual tank as described above, pneumatic pump 3:1.

Type / Capacity, L	Dimensions cm (I x w x h)	Hose	Weight approx. kg	Order no.
UNI 750	108 x 77 x 180	4 m, hose holder	90	8815
UNI 750	108 x 77 x 187	15 m, open rewinder	108	8816
 UNI 1,000 	138 x 77 x 180	4 m, hose holder	114	8817
② UNI 1,000	138 x 77 x 187	15 m, open rewinder	132	8818

Accessories see page 128.

Full assembly of ECO compact lubricant system

10211

* National installation laws and conditions must be adhered to - we will be happy to advise.

Lubricant tanks for fresh and waste oil [PG 4]

Tank from HDPE with general construction inspection approval

Individual tank with integral galvanised sheet steel bund, standard accessories such as filling contents gauge, optical leakage detector device, integral carrying handle, no pump.

For storage of fresh and waste oil with a flash point >55 °C also approved for indoor installation and in water protection areas without a bund*. Low overall height (up to 1,000 L), thus no steps are required when filling with waste oil.

UNI-Tank

Tank as described above with foot pallet.

MULTI-Tank

Tank as described above with integral sheet steel pallet for driving under with a forklift or hand forklift from any of four sides.

Particular advantages:

- approved for transport according to the ADR, but without a pump fitted. Examination after 2½ years (see ADR 6.5.4.4.1 b).***
- lower centre of gravity increases stability and improves handling/ transport.









MULTI-Tank series

UNI-Tank

Capacity, L	Dimensions cm (I x w x h)	Approval No.	Weight approx. kg	Order no.
400	73 x 70 x 117	Z-40.21-365	50	7979
750	98 x 77 x 142	Z-40.21-288	66	7379
1,000	128 x 77 x 142	Z-40.21-288	89	7380
1,500	163 x 77 x 185	Z-40.21-432	151	7881

MULTI-Tank

Capacity, L	Dimensions cm (I x w x h)	Storage and transport Approval No.	Weight approx. kg	Order no.
400	73 x 74 x 117	Z-40.21-365 / D/BAM6403/31 HA1	55	7536
750	98 x 80 x 146	Z-40.21-288 / D/BAM11580/31 HA1	82	7381
1,000	128 x 80 x 147	Z-40.21-288 / D/BAM11581/31HA1	100	7382
1,500	164 x 80 x 191	Z-40.21-432 / D/BAM6404/31 HA1	165	7539

National installation laws and conditions must be adhered to - we will be happy to advise.

*** The transport approval for all plastic-IBC is limited to 5 years.



PROFI tank for fresh and waste oil, double-walled [PG 4]



No leak indicator is necessary for installation, even in water protection areas. The tanks are already equipped with a visual bund alarm* which is integrated in the tank wall.





- integrated visual leakage detection
- bund alarm optional but not required

- vacuum leakage detection device monitors inner and outer walls
- no wall clearance is required with vacuum leakage detector device



PROFI tank without accessory with integrated optical leak detection

Capacity, L	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
1,300	150 x 74 x 156	80	7388
1,500	150 x 74 x 180	90	7327
2,000	200 x 86 x 156	100	7328
2,350	200 x 86 x 180	110	7329



Lubricant trolley 100 L [PG 4]

The practical solution for filling vehicles used on construction sites or in the field.

- for transport and independent filling of unused engine, gear and hydraulic oils (no dangerous goods as per ADR)
- polyethylene container with integrated handle and carry handles
- filler neck with integrated vent
- delivery line with shut-off valve
- wheels, Ø 300 mm, air filled, all terrain
- integrated baffle
- integral delivery nozzle holder
- integrated recess for securing the trolley with ratchet lashing strap during transport
- equipped with 12 V, self-priming electric gear pump, 4,5 L/min, max. delivery pressure

5 bar with battery and charger, with oil dispensing nozzle, 3.2 m filling hose (100 L), 2,7 m filling hose (60 L)





Lubricant trolley 60 L

Lubricant trolley 100 L



incl. charger



Lubricant trolley 100 L with electric pump and LiFePO4 battery

Lubricant trolley

Designation	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Lubricant trolley 60 L with electric pump, LiFePO ₄ battery, charger and oil dispensing nozzle	90 x 53 x 38	17	10936
Lubricant trolley 100 L with electric pump, LiFePO ₄ battery, charger and oil dispensing nozzle	100 x 59 x 43	22	10751

Accessories for lubricant trolley

Designation		Order no.
1	Electronic K400 meter, oval gear principle, 1-30 L/min, ½" inner thread, max. 70 bar, suitable for oil metering pistol and more	8574
	Lithium-iron phosphate battery (LiFePO ₄), 12.8 V – 3.3 Ah, as second, reserve battery Pumping volume with one battery charge (depending on viscosity) approx. 90 litre.	10602

Filling stations and tank systems for AdBlue[®] resp. DEF





Tank systems for AdBlue® (p. 86-105)



CUBE-Tank 5,000 L

- 5,000 L
- everything fully integrated
- the new dimension of CEMO CUBE-Tanks

see page 90 - 91



CUBE-Tank "Outdoor" and "Indoor" Basic and Premium

- 1,500 L, 2,500 L
- expandable to 5,000 L
- everything packed into a small space

see page 92 - 95



"Indoor Basic"

- completely independent tank system 5,000 L
- only the necessities, but it can be upgraded in modules at any time
- "Indoor" frost and heat are no concern
- see page 95



"Outdoor Basic" and "Outdoor Ultima"

- weatherproof
- attractive
- heated
- everything lockable

see page 95



Trolley Car PROmobile car fuelling system in the workshop

see page 104



Cematic Blue pump system for IBCs The classic choice for everyone who has not yet acquired their own larger tank system.

see page 99

Blue-Mobile Easy

• 125 L - 980 L

for transport

see page 102 - 103

The practical solution for fuel-

• no ADR approval is required

construction sites or in the field.

ling vehicles when used on



Cematic Blue pump system for 220 L drums • complete system

- comple
 simple
- inexpensive
- moxpensive

see page 99



Trolley for AdBlue® All-terrain because of large wheels and integrated sloshing baffle. • 60 L + 100 L

 no ADR approval is required for transport

see page 100 - 101



Bluetroll Mobile

- mobile and variable
- fuelling where necessary and cleaning up where there is space

see page 99



CENTRI SP 30pump system for drums 200 L

 low-cost entry-level solution

see page 98

Technical specifications subject to change.





The CEMO CUBE-Tank 5,000 litres a new dimension

NE

The new CUBE-Tank series is the first generation of filling stations to have been uncompromisingly developed as a complete system from the outset. With the 5,000 I size, CEMO is expanding this concept upwards. Everything has its place and nothing interrupts the filling process. Let us convince you of the advantages of this overall concept.



video CUBE-Tank



Flap lid with 300 mm inspection port.



All components are clearly located on an optimal work level within the bund.





Integral 110% bund gives added environmental protection.



wind load protection

Four fixing points on the floor for wind load protection.



Three attachment points around the circumference Ø 20 mm for shackles or hoists for lifting from above.



CUBE-Tank for AdBlue[®] [PG4]

Dispensing station for AdBlue[®], Basic and Premium with general construction inspection

approval no. Z-40.21-510

- · comprising integrated bund
- · visual bund alarm
- 2" dry tanker coupling
- electronic overfill sensor
- analogue contents gauge
- 230 V electric pump 35 L/min
- automatic nozzle with integral nozzle holder
- fully assembled
- all devices wired ready to connect into a terminal box

CUBE-Tank for AdBlue[®] for connecting to an external tank system

Design as CUBE-Tank for AdBlue[®], however

- FMT 3 meter with pulsed output, 25 pulses per litre
- delivery nozzle contact
- release relay 230 V
- fully assembled

Integral forklift runners assists with loading and installation.



CUBE-Tank for AdBlue[®], 1,500 L, Indoor Basic

CUBE-Tank for AdBlue[®], 1,500 L, Indoor Premium

Moulded hexagonal matrix for integral polymer strength, supported by twin steel bands at the points of greatest load.

CUBE-Tank for AdBlue®

Designation	Capacity L	External Dimensions cm (w x d x h)	Weight kg	Order no.
CUBE-Tank for AdBlue [®] , Indoor Basic	1500	120 x 115 x 174	165	10301
6m delivery hose, without hinged lid		120 x 180 x 174	220	10302
CUBE-Tank for AdBlue [®] , Indoor Premium,	1500	120 x 115 x 180	190	10434
hose reel with 8m hose, K24 digital flow meter	2500	120 x 180 x 180	250	10435
CUBE-Tank for AdBlue [®] , Outdoor Basic,	1500	120 x 115 x 180	190	10303
6m delivery hose, incl. hinged lid, Winter Pack Mid-Europe ¹	2500	120 x 180 x 180	250	10304
CUBE-Tank for AdBlue®, Outdoor Premium,	1500	120 x 115 x 180	205	10305
hose reel with 8 m hose, incl. hinged lid, K24 digital flow meter, Winter Pack Mid-Europe ¹	2500	120 x 180 x 180	265	10306
CUBE-Tank for AdBlue [®] , Extension Indoor: comprising integrated bund, visual bund alarm, 2" dry tanker coupling, electronic overfill sensor, contents gauge, with connection kit to first tank, <u>fully assembled</u>	2500	120 x 180 x 180	220	10436
CUBE-Tank for AdBlue [®] , Extension Outdoor, comprising integrated bund, visual bund alarm, 2" dry tanker coupling, electronic overfill sensor, analogue contents gauge, incl. hinged lid, Winter Pack Mid-Europe ¹ , with connection kit to first tank, <u>fully assembled</u> ; excluding pump, hose, nozzle	2500	120 x 180 x 180	235	10307
CUBE-Tank for AdBlue Indoor Basic "Tank system"	2500	120 x 180 x 180	222	11036
CUBE-Tank for AdBlue Outdoor Basic "Tank system"	2500	120 x 180 x 180	252	11037
CUBE-Tank for AdBlue Outdoor Premium "Tank system"	1500	120 x 115 x 180	206	10466
	2500	120 x 180 x 180	266	11038

¹ Winter Pack Mid-Europe: comprises heater 250W for ancillary area

AdBlue® is a registered trademark of the German Automotive Industry Association.



CUBE-Tank for AdBlue[®] [PG4]



Accessory LED instrument lighting





Accessory hose reel





Insulating jacket

Accessory K24 digital flow meter

Accessories for CUBE-Tank for AdBlue® (not assembled)

Designation	Order no.
Hose reel with 8 m hose made from EPDM, DN19	10431
Digital flow meter K 24 plastic, 6 - 100 L/min, 1" internal thread, 90° elbow for direct attachment to the pump	10274
LED instrument lighting with motion sensor and battery	10378
Hinged lid blue, complete with gas pressure spring and installation accessories	10437
Tank heater for AdBlue [®] 230 VAC/435 W, stainless steel, with 6 m connection cable Switching temperatures: Ton (-3) – (-5) °C, Toff (1 - 3) °C, size 700 mm x 47 mm. Suitable for retrofitting at any time. Two or more heaters can be installed for higher output requirements. We recommend insulating the installation surface of the tank system.	10756
Insulating jacket for CUBE-Tank 1,500 L Grey insulating cover made from UV and weather-resistant PVC tarpaulin with flexible 20 mm insulation, easy installation with Velcro fasteners, no "BLUE to go" logo (individual printing as advertising surface on request)	10954
Insulating jacket for CUBE-Tank 2,500 L	10955
Meter with access control and "CMT 10" tank data management system for up to 250 users, incl. 5 user keys and 1 master key	10763
Data transfer set with 3 data transfer cards and USB key reader for wireless data transfer to PC, incl. PC software	10746
Key set with 5 user keys	10747



CUBE-fueling system 5,000 L for AdBlue[®], consisting of:

- CUBE-Tank 2,500 L for AdBlue[®], Outdoor Premium (10306)
- Extension Outdoor 2,500 L (10307)

 $\mathsf{AdBlue}^{\texttt{®}}$ is a registered trademark of the German Automotive Industry Association.



Accessories for filling stations AdBlue[®] [PG4]

Accessories only for tank systems "Indoor Basic" (8696) and "Outdoor Basic" (8698)



Delivery nozzle switch	
fully assembled	8864
with cable approx. 1 m to terminal box	

Accessories for PE banded tank "Basic"

	Fixed tanker connection with filling pipe and 2" stainless steel dry coupling, ventilation with cartridge filter, mesh width 3 µm, replaceable cartridge	8390
\bigcirc	Removal unit, hose 2 m with foot valve, installation thread 2" ET, connection 1" IT	8865
	Pump cabinet for mounting to the wall, electric pump approx. 30 L/min with K24 electronic meter, 4 m delivery hose with automatic delivery valve, complete in lockable metal cabinet, with foot valve as accessory, for further accessories, e.g. suction hose, see below	10058

Accessories for filling stations AUS 32, general

Accessories for filli	ng stations AUS 32, general	
Q	Filling hose PU/PVC, DN 19, per meter	7213
Q	Suction hose PVC, DN 19, with plastic spiral, per meter	10757
\mathbf{O}	Suction hose EPDM, DN 20, with wire spiral, per meter	8387
	Plastic foot valve with connection nozzle DN 19	10661
	Accessory hose clip, stainless steel	8249
and the second s	ELAFLEX ZVA AdBlue [®] 8.0 nozzle, with swivel joint, connection 1" externally threaded, with magnetic switch for "ELAFIX" magnetic adapter	8019
15	Automatic delivery nozzle SB325, plastic, with swivel joint, connection nozzle DN19	10190
- K	Accessory stainless steel spout with misfilling system and magnetic adaptor for SB325, prevents from misfilling the diesel tank	10452
	Accessory solenoid adapter for AZV AdBlue [®] with solenoid switch	10192
	Automatic delivery nozzle with swivel joint, made completely from plastic/stainless steel, connection nozzle DN19	10422
-6-	Accessory: plastic hand dispenser, polypropylen (PP) body, stainless steel valve, Viton gaskets, connection port DN 19, stainless steel spout 19mm	8333
	Accessory: plastic manual delivery nozzle, housing PA6, stainless steel, Viton gaskets, connection nozzle DN 19, outlet 19 mm, with lever lock	11033

AdBlue® is a registered trademark of the German Automotive Industry Association.

Order no.



Pump systems for AdBlue[®] [PG4]

Compact filling system for AdBlue®

Low-cost entry-level solution

- self-priming as immersion pump on container bottom
- electric pump approx. 25 L/min • External pump dimensions:
- length 160 mm, dia. 56 mm extremely quiet





Cost-effective entry solutions for drums including electric pump CENTRI SP 30 and trolley see on page 121.

> Bluetroll Mobile 12 V Battery not included in the scope of delivery.



Pump systems for AdBlue®

De	signation	
6	Pump set CENTRI SP30	

Dooghadon	
 Pump set CENTRI SP30 V, with power pack for 230 V, 4 m hose, automatic nozzle 	10590
② Bluetroll Mobile 12 V Pump set CENTRI SP30 with 4 m cable and battery crocodile clips, 4 m hose, automatic nozzle. With transport trolley for drums.	10781

Drum pump ECO-1 for AdBlue[®] [PG4]

Complete pump set ECO-1 for AdBlue®

- Motor 230 V
- Variable flow rate,
- 6 speeds can be selected
- · sealless pump unit
- with bung adapter S 70 x 6
- 4 m filler hose



Accessory: digital flow meter K24



Drum pump set ECO-1 with manual nozzle



Drum pump set ECO-1 with automatic nozzle



Order no

Drum pump ECO-1 for AdBlue[®]

Designation

Booghadon	01401110.	
① Drum pump set ECO-1 with manual nozzle, max. 80 L/min	10869	
② Drum pump set ECO-1 with automatic nozzle, max. 35 L/min	10870	

Accessory for drum pump ECO-1 for AdBlue®

Designation	Order no
③ K24 electronic meter, with attachment screws and hose connector DN19	10871

AdBlue® is a registered trademark of the German Automotive Industry Association.



Trolley for AdBlue[®] [PG4]

Trolley 60 L for AdBlue®

- elegant blue container made from tested polyethylene with integrated handle and carry handles
- large wheels, dia. 240 mm, for simple handling on terrain and over stairs
- integrated sloshing baffle
- low centre of gravity

Trolley 100 L for AdBlue®

- blue container made from tested polyethylene with integrated handle and carry handles
- wheels, dia. 300, air-filled, all-terrain
- integrated sloshing baffle
- integrated recesses for securing with ratchet lashing strap during transport
- · low centre of gravity

Version with crank pump

- solid construction for professional operation
- housing in stainless steel and technopolymer
- delivery rate 0.38 L per revolution
- with hand delivery valve
- independent of electrical energy

Version with CENTRI SP 30

- electric submersible pump 12 V, max. 20 A
- delivery rate approx. 25 L/min
- 4 m cable with fuse, switch and crocodile clamps
- always self-priming, extremely quiet
- with lightweight automatic delivery nozzle in plastic/stainless steel

Version with CENTRI SP 30 and lithiumiron phosphate battery (LiFePO₄)

- totally mobile and cable free, independent of vehicle batteries
- 12.8 V nominal voltage, capacity 3.3 Ah, sufficient for approx. 300 I
- operating temperature range: - 30°C to + 80°C
- very low self-discharge, no environmentally harmful heavy metals, no memory effect
- high intrinsic safety and integrated protection circuit, electrical protection class IP 67
- extremely quiet
- incl. charger 100-240VAC, output 14.4V-3A



Trolley 60 L for AdBlue[®] with crank pump





Trolley 60 L for AdBlue[®] with CENTRI SP30



Charger 100-240 VAC



Trolley 100 L for AdBlue[®] with crank pump

Trolley 60 L for AdBlue® with crank pump



Trolley 100 L for AdBlue $^{\ensuremath{\texttt{R}}}$ with CENTRI SP30 and LiFePO4 battery

AdBlue® is a registered trademark of the German Automotive Industry Association.



Blue-Mobile Easy for AdBlue[®] [PG4]

Specially adapted version of the Mobile Easy suitable for storing and dispensing urea solution AUS32 / DEF / AdBlue[®]. Highly practical solution for refilling vehicles with SCR catalyst systems in the field.

Urea solution is not classed as hazardous, so no ADR approval needed!

- single skin container constructed from polyethylene approved for AdBlue[®]
- moulded recesses for strapping during transport
- integral nozzle holder
- large filling aperture DN 100 (or DN 150 on 600 L and 980 L versions) with screw cap
- integral breather valve
- integral forklift pockets
- integral carry handles
- self priming 12V electric chemical pump approx 30 L/min, 4m fly leads, with terminal clamp

④ Blue-Mobile Easy 600 L,

hinged lid (accessory)

- 4 m delivery hose
- automatic nozzle

⑤ Blue-Mobile Easy 980 L



pump, hinged lid (accessory)

3 Blue-Mobile Easy 430 L

2 Blue-Mobile Easy 200 L

 Blue-Mobile Easy 125 L with electric pump, hinged lid (accessory)

Blue-Mobile Easy with diaphragm pump Cematic Blue and automatic nozzle

Designation	External dimensions cm (I x w x h)	Weight approx. kg	Order no.
① Blue-Mobile Easy 125 L, with electric pump 12V	80 x 60 x 45	22	10195
Blue-Mobile Easy 125 L, with electric pump 24 V	00 X 00 X 4J	22	10196
Blue-Mobile Easy 200 L, with electric pump 12 V	80 x 60 x 59	23	10197
Blue-Mobile Easy 200 L, with electric pump 24 V	60 X 00 X 39	23	10198
② Blue-Mobile Easy 200 L, with electric pump 12 V, hinged lid	80 x 62 x 61	26	10315
③ Blue-Mobile Easy 430 L, with electric pump 12 V	116 x 76 x 73	43	10199
Blue-Mobile Easy 430 L, with electric pump 24 V	110 x 70 x 75	45	10200
④ Blue-Mobile Easy 600 L, with electric pump 12 V, box with crane eyes	116 x 80 x 102	51	10174
Blue-Mobile Easy 600 L, with electric pump 24 V, box with crane eyes	110 x 00 x 102	51	10175
Blue-Mobile Easy 600 L, with electric pump 230 V, box with crane eyes	116 x 80 x 102	52.5	10687
(5) Blue-Mobile Easy 980 L, with electric pump 12 V, box with crane eyes, hinged lid	127 x 107 x 112	105	10972
Blue-Mobile Easy 980 L, with electric pump 230V, box with crane eyes, hinged lid	127 x 107 x 112	105	10973

AdBlue® is a registered trademark of the German Automotive Industry Association.

NEW



Mobile car fuelling with AdBlue® [PG4]

Mobile refilling of passenger vehicles with AdBlue[®]

The rapidly-increasing number of diesel vehicles with AdBlue[®] introduces new challenges for workshops in refilling. CEMO presents the ideal solution for your business.

Trolley Car PRO and Bluetroll Car PRO

- 12V electric pump
- Elaflex automatic nozzle
- 4-8 L/min, adjustable on the dispensing nozzle; from 2 L/min possible by additional adjustment of bypass and pressure switch at the pump
- digital flow meter K24 (trolley only)
- lithium iron phosphate battery with charger



Chassis for 200 L and 60 L drums
230 V pump with 2 m filling hose
Flow rate switchable between

3 L/min and 11 L/min

Self-cleaning sensor for automatic switch-off
Closed system between drum and vehicle tank,

· Coupling for vehicle tank to

venting back into the drum
with suction pipe for the drum and type AF2 coupling
the SEC coupling can be used for filling the drum or even connecting to an IBC for

Bluefill PRO

ISO 22241

direct filling

Trolley Car Pro 60 L



Bluetroll Car PRO 200 L

not

Barrel not included in the scope of delivery.

Bluefill PRO



Coupling with sensor





2-piece suction pipe for drums 220 L Coupling SEC

Mobile car fuelling with AdBlue®

Designation	Dimensions cm (I x w x h)	Weight approx. kg	Order no.
Trolley Car PRO 60 L	90 x 53 x 38	16	10773
Bluetroll Car PRO 200 L with suction pipe and coupling AF2	82 x 76 x 109	28	10867
Bluefill PRO* 200 L oder 60 L, car filling system with automatic shut-off	80 x 80 x 120	37	10868

* Special version for vehicle manufacturer PSA Group and version with battery on request.

AdBlue[®] is a registered trademark of the German Automotive Industry Association. Technical specifications subject to change.

Dispensing systems and pumps



The right pump for every application

All details stated for pressure and delivery volume assume unobstructed suction and dispensing without additional accessories, if not specified refer to effective flow rate.



Petrol pumps

ATEX/IECEx-certified pumps page 124 - 125 for flammable liquids

fuels Petrol, 2-stroke mixture, Avgas, Kerosene

lubricants



Lubricant pumps

Viscomat pumps page 126 - 129 Lubricant pumps with high pressures for oils up to SAE 140.

Hand pumps page 123 For lubricating oils.

Chemical pumps

Drum pumps and pumps for IBCs page 130 - 131 for acids, lyes and aggressive chemicals

Electric pumps Cematic Blue page 133 Electric pumps with stainless steel housing for AUS 32.

Hand pumps page 132 Hand pumps for chemicals and urea solution AUS 32.









AdBlue® is a registered trademark of the German Automotive Industry Association.

Diesel dispensers [PG4]



Accessories for diesel dispensers

Description			Order no.
		4 m	7933
	Filling hose DN 25 (with 2 x 1" external thread)	6 m	7934
	diesel biodiesel resistant	8 m	7935
		10 m	7936
	Cartridge filter with water separator, max. 70 L/min, 30 μm, 1 [~] -12 UNF, for dispensing pumps 70 MC/FM/K44 (1 piece) and 100 MC/FM/K44 to model year 10/09 (2 pieces)		10031
	Cartridge filter with water separator, max. 150 L/min, 30 μm, 1½-16 UNF, for dispensing pumps 100 MC/FM/K44 (1 piece) from model year 11/09		10032

Accessories specially for dispensers 70 FM, 100 FM and 70 MC, 100 MC

Description		Order no.
	Converter without PC-software, for data transmission by means of a connection cable to the pump, USB interface, requires PC-software see below	10876
	Key set (1 master key, 10 user keys green yellow, key reader with USB interface) for wireless data transfer to the PC, for dispensers beginning year of construction nov. 09 requires PC-software see below	10879
9	Key reader complete with USB interface	10878
	Master key (1 pc.), red, for data transmission	7826
	1 set of user keys (10 pcs.) green, for dispensers until year of constr. oct. 09	7825
	1 pcs. of user key, yellow	10877
	1 set of user keys (10 pcs.) yellow, for dispensers beginning year of constr. nov. 09	8705
	"German" language key, for changing the menu language from English to German	8135

Software SelfService Management 2018

Newly revised version of the tank data management system for SelfService MC, SelfService FM, MC Box and CUBE MC.

- contemporary control panel
- intuitive operation
- simple data import from previous versions
- with drivers for key reader, converter, PW-LAN and PW-WiFi

Software SelfService Management 2018

Description

Software SELF SERVICE MANAGEMENT 2018 - USB USB stick with software, also acts as licence key Software SELF SERVICE MANAGEMENT 2018 - WEB Code for downloading the software, licence check online





Order no.
10865
10866

Technical specifications subject to change.

CUBE pumps [PG4]

CUBE 70 MC 50

- rotary vane pump with a flow rate of 70 L/min
- up to 50 users
- menu language German
- diesel dispensing amounts can be preselected
- option of entering vehicle registration number and mileage
- management of the date and time of dispensing
- PIN-code access control is standard
- optional electronic key access control
- optional data transfer to PC by means of electronic key
- optional data transfer to the PC by means of converter and data transmission cable
- equipped with automatic nozzle, design approved in accordance with EN 13012, with passenger car outlet
- 4 m filling hose, DN25
- Suction vacuum approx. 0.3 bar, so not recommended for underground tanks

CUBE pumps

- self-priming
- light and robust construction
- simple handling due to low weight
- with anti-siphon device
- 4 m filling hose and automatic nozzle is standard
- all pumps are equipped with a meter
- weather-proof housing with integrated nozzle holder and lever switch for automatic pump shut-off
- Suction vacuum approx. 0.3 bar, so not recommended for underground tanks











Electric pump CUBE 70 MC 50 with pedestal (accessory)

Sun protection screen for the CUBE 70 MC 50 electric pump



The pump's operating principle

Rotary vane pumps essentially comprise an eccentrically mounted slotted rotor in which radially displaceable blades (also called sliders or vanes) slide. They are supported by a centrifugal force, either through spring force (Cematic 56) or pressure loaded from the inside. Pressure against the housing wall forms sickle-shaped expanding and contracting transport cells.

CUBE pumps

Description	Order no.
 Electric pump CUBE 70 MC 50 230 V, approx. 70 L/min (self-priming) with electric flowmetre, 50 user codes, 	7853
automatic nozzle, 4 m filling hose installed within a protective box, without suction hose	
② Electric pump CUBE 56 K 33, 230 V,	
approx. 56 L/min (self-priming) with flowmetre, automatic nozzle	7776
and 4 m filling hose DN 19, fitted in a protective housing, without suction hose	
③ Electric pump CUBE 70 K 33, 230 V,	
approx. 70 L/min (self-priming) with flowmetre, automatic nozzle	7887
and 4 m filling hose DN 25, fitted in a protective housing, without suction hose	

We recommend that assembly and commissioning be performed by trained service technicians. We would be delighted to give you details of technicians near you.

diesel/biodiesel

Cematic pumps [PG4]

diesel/biodiesel

Cematic pumps

- self-priming / rotary vane pump
- light and robust construction
- simple handling due to low weight
- with anti-siphon device
- 4 m filling hose is standard
- additional hose lengths from 6 to 10 m can be purchased at extra cost
- 2" connector for all commercially available tanks and drums
- connection cable for DC-pumps approx. 4 m long with catch and crocodile clips





All versions include: suction hose, dispensing hose, barrel mounting and angle bracket.

Cematic pumps

Description		Order no.
	Electric pump Cematic 56 230 V, approx. 56 L/min (self-priming) with nozzle, 4 m filling hose, 1.6 m suction hose with foot valve and 2" quick coupling for barrels	7766
	Electric pump Cematic 56 AZ 230 V, approx. 56 L/min (self-priming) with automatic nozzle, nozzle holder, 4 m filling hose, 1.6 m suction hose with foot valve and 2" quick coupling for barrels	7768
	Electric pump Cematic 56 K33 AZ 230 V, approx. 56 L/min (self-priming) with flowmetre, automatic nozzle, nozzle holder, 4 m filling hose, 1.6 m suction hose with foot valve and 2" quick coupling for barrels	7769
	Electric pump Cematic 3000/12 12 V, approx. 40 L/min (self-priming) with nozzle, 4 m filling hose, 1.6 m suction hose with foot valve and 2" quick coupling for barrels	7770
	Electric pump Cematic 3000/12 K33 AZ 12 V, approx. 40 L/min (self-priming) with flowmetre, automatic nozzle, nozzle holder, 4 m filling hose, 1.6 m suction hose with foot valve and 2" quick coupling for barrels	7772
	Electric pump Cematic 3000/24 24 V, approx. 40 L/min (self-priming) with nozzle, 4 m filling hose, 1.6 m suction hose with foot valve and 2" quick coupling for barrels	7773
	Electric pump Cematic 3000/24 AZ 24 V, approx. 40 L/min (self-priming) with automatic nozzle and flowmetre, nozzle holder, 4 m filling hose, 1.6 m suction hose with foot valve and 2" quick coupling for barrels	7774
	Electric pump Cematic Duo 24/12 AZ, 24 V, approx. 70 L/min (self-priming only for use with 24 V) with automatic nozzle, nozzle holder, 4 m filling hose, 1.6 m suction hose with foot valve and 2" quick coupling for barrels (can also be operated at 12 V, in which case, the pump flow rate is 35 L/min.)	8053

Graduated price			discount 3 %	discount 5 %	discount 8 %
	Description / Type	Order no.	quantity	quantity	quantity
0/	Cematic 56 K33 AZ	7769	3	6	8
20	Cematic 56 AZ	7768	3	6	8
	Cematic 3000/12 K33 AZ	7772	3	6	8

Accessories for Cematic pumps [PG4]

diesel/biodiesel

Accessories for Cematic pumps

Description		Order no.
1	Self 3000 fuel pump nozzle (connection 1" internal thread)	7780
	A 60 automatic dispensing nozzle with hose swivel joint, max. 60 L/min (1" internal thread connection), design approved in accordance with EN 13012	10028
	A 60 automatic dispensing nozzle with hose swivel joint, max. 60 L/min (1" internal thread connection)	7983
	A 80 automatic dispensing nozzle, truck outlet, max. 90 L/min, with 1" internal thread hose swivel joint	8355
	A 80 automatic dispensing nozzle, design approved in accordance with EN 13012, truck outlet, max. 90 L/min, with 1" internal thread hose swivel joint	10026
	Pump bracket for fitting the Cematic pumps on UNI-/MULTI-tank 750 I and 1000 I	7631
8	Quick coupling for drums 2" x 1"(with 1" internal thread)	7781
1 📰	K33 flow meter (connection 2 x 1" internal thread) 3-digit tank display	7779
	Add-on kit for retrofitting K33 flow meter on Cematic pumps	7984
	K24 digital flow meter, 10-120 L/min, 5-digit individual delivery display, 6-digit total delivery display, inlet 1" external thread, outlet 1" internal thread	8644
	Digital flowmetre K24 A, aluminium housing, 7 - 120 L/min, 5-digit display, total volume display 6-digit, 1" external thread, 1" internal thread, bi-directional flow	10157
0	1.6 m PVC suction hose with foot valve and filter (with 1" external thread, DN25)	7783
\bigcirc	Filling hose DN 19 6 m	7899
L J	(with 2 x 1" external thread) 6 m diesel biodiesel resistant 8 m	7900 7901
	diesei biodiesei resistant 10 m	7902
	Dispensing nozzle holder suitable for 7780, 7258, 7983, etc. for installation on the pump foot or on the wall as required	8566
	Accessory O-ring for flange connection, with groove on one sides	10027
	Accessory double O-ring for flange connection, with groove on both sides	8357

Filter [PG4]



Filter with water separator

Keep a permanent eye on the filter condition! Available as a pure particle filter or particle filter with water separating function. Dirt or water can be drained away through a valve at the bottom.

Connection on both sides: 1" internal thread and flange with O-ring groove.

Description		Order no.
	Filter, max. 100 L/min, filter porosity 5 μm, packaging unit with 2 replaceable elements	10034
Ţ	Filter, max. 70 L/min, filter porosity 30 μm, with water separating function, packaging unit with 2 replaceable elements	10035
Î	Replaceable element, max. 100 L/min, filter porosity 5 µm	10036
Ê	Replaceable element, max. 70 L/min, filter porosity 30 µm, with water separating function	10037

Cartridge filter

Connection on both sides: 1" internal thread



Description	fuels	Order no.
e e e e e e e e e e e e e e e e e e e	Filter with cartridge 1"-12 UNF, max. 70 L/min, 30 µm, with water separator	8122
	Cartridge filter with water separator, 1"-12 UNF, 30 μm, max. 70 L/min	10031
	Filter with cartridge 1½" - 16 UNF u. 1¼" BSP, max. 100 L/min	10783
	Filter with cartridge with water separator, 1½" - 16 UNF, 30 µm, max. 150 L/min	10032
	lubricants	



Electric pump CENTRI SP30 [PG4]





Example: Use of the CENTRI SP 30 in the diesel trolley (see page 43)



CENTRI SP30 – suitable for a wide range of containers



Bunghole adapter in NBR rubber

- \bullet suitable for 2" BSP and S 70 x 6
- hose and cable continuous, hence infinitely adjustable to any tank height
- simple to change from drum to drum without screws



Anti-kink sleeve for cable and hose

- integrated ventilation valve
- hose clamp for fixing

CENTRI SP30 with crocodile clips



CENTRI SP30, 12V



large splash-proof cord switch



4 m cable with crocodile clips and blade fuse



cable connection direct on power pack 230V

Container opening from e.g. 2" BSP and S70x6, Ø 56 mm

Technical specifications subject to change.

NSA diesel pump (non self-priming) [PG 4]

NSA diesel pumps

- light and robust construction
- also for continuous operation
- simple handling due to low weight
- 2" connector and M 64 x 4 for all commercially available tanks and drums

diesel/biodiesel

antifreeze compound

windshield cleaner

- suction hose with foot filter
- integrated hand pump for priming



Electric pump CENTRI 12 V with accessory meter K24



Electric pump CENTRI 230 V

NSA diesel pumps

I

Description		Order no.
	Electric pumps CENTRI, 12 V, approx. 30 L/min effective flow rate, 4 m connecting cable with terminals, 6 m hose, dispensing nozzle	8640
	Electric pumps CENTRI, 12 V, approx. 25 L/min effective flow rate, 4 m connecting cable with terminals, 6 m hose, automatic dispensing nozzle	8641
	Electric pumps CENTRI, 230 V, approx. 35 L/min effective flow rate, 4 m connecting cable, 6 m hose, dispensing nozzle	8638
	Electric pumps CENTRI, 230 V, approx. 30 L/min effective flow rate, 4 m connecting cable, 6 m hose, automatic dispensing nozzle	8639
	K24 digital flow meter can be calibrated, measuring range 10 - 120 L/min, 5-digit display, 6-digit total delivery display, inlet 1" external thread, outlet 1" internal thread, with 1" steel coupling	8644
	Filling hose for electric pumps CENTRI, DN 19 other sizes available, price depends on per meter of new length (The standard hose is still included in the package)	7213

Graduated price		discount 3 %	discount 5 %	discount 8 %
Description / Type	Order no.	quantity	quantity	quantity
Electric pump CENTRI, 230 V, approx. 30 L/min effective	8639	3	6	8

Petrol pumps [PG 4]

ATEX/IECEx-certified pump Cematic 50 EX

for flammable liquids

Complete set consisting of:

- electric pump 230 V or 12 V, max. 50 L/min, with dispensing nozzle holder
- 2" drum adapter with coarse filter and check valve
- telescopic suction pipe max. 1100 mm
- cartridge filter 30 µm with water separating function
- 4 m dispensing hose, DN 19
- automatic dispensing nozzle with swivel joint

No connector cable is supplied with the pump. The electrical connection must be made by an expert technician after a risk assessment has been made.

ATEX/CE-certified pump Cematic 12/30 EX for flammable liquids.

- electric pump 12 V, approx. 30 L/min
- suction and pressure connection can be mounted on side or top
- compact design with carry handle
- thermally protected
- dry, self-priming, max. 1.5 m





Petrol pumps Cematic EX

Description	Flow rate L/min	Pressure (max) in bar	Order no.
Electric pump Cematic 230/50 EX, complete. ATEX, 230 V, filter, 4 m dispensing hose, automatic dispensing nozzle	40	1.1	10249
Electric pump Cematic 12/50 EX, complete. ATEX, 12 V, filter, 4 m dispensing hose, automatic dispensing nozzle	40	1.1	10235
Electric pump Cematic 12/30 EX, 12 V, 14 A, 220 W, 4.1 m cable with battery terminals and earthing terminal, connection of both sides ³ / ₄ "	30	1,1	10647
Petrol transfer set Cematic 12/30 EX In practical plastic case, 12 V electric pump, 3 m cable with battery pole terminals and earthing terminal, flow rate approx. 25 L/min, 2 m suction hose with foot filter, 4 m dispensing hose, manual nozzle with swivel joint	25	1,1	10730

plastic case

Lubricant pumps [PG 4]

Lubricant pump

Viscomat 70 and Viscomat 90

- rotary vane pump, thus high delivery volume flow at high pressure
- die cast aluminum pump body
- sintered steel rotor with resin vanesseal on the rotary shaft with access
- from the pump side
- bypass line integrated into the pump body
- suitable for oils up to 500 cSt, corresponding to approx. SAE 90 at 20°C
- also suitable for vegetable oils e.g. cold pressed rape seed oil





Lubricant pump Viscomat 70 + 90

lubricants

Lubricant and vegetable oil pump Viscomat 70 and Viscomat 90

Description	Flow rate L/min	Pressure (max) in bar	Order no.
Lubricant pump Viscomat 70, 230 V, self-priming, with nozzle, 4 m pressure hose, 1.6 m suction hose 1" with foot valve and quick coupling for drums	25	6	7928
Lubricant pump Viscomat 70 K33, 230 V, self-priming, with nozzle, flowmetre K33, 4 m pressure hose, 1.6 m suction hose 1", with foot valve, quick coupling for drums	25	6	7929
 Lubricant pump Viscomat 70, 230 V, self-priming, 750 W, 1" internal thread connection on both sides, without accessories 	25	6	8727
 Viscomat 90, 230 V, self-priming, 1600 W, 2 m cable with connector, fixed bypass, 1" internal thread connection on both sides, without accessories 	50	5	8070
Viscomat 90, 400 V, self-priming 2000 W, connection socket, adjustable bypass, 1" internal thread connection on both sides, without accessories	50	5	7985

Accessories for Viscomat 70 + Viscomat 90

Description			Order no.
->	Self 3000 nozzle (connection 1" internal thread)		7780
	Automatic dispensing nozzle for vegetable oils with hose swivel joint, 1" internal thread connectio automatic shutoff for plant oil up to + 5 °C oil temp		8349
ŝ	Quick coupling for drums 2" x 1"(with 1" internal thread)		7781
	1.6 m PVC suction hose with foot valve and filter, DN 19, 1" external thread		7783
1	Mechanical meter K33 Oil, 20-120 L/min, 3-digit display, 1" internal thread on	both sides	8728
6	K600/3 electronic meter oil, oval wheel principle, 6-60 L/min, ¾" internal thread with flange		10430
	DN 25 filling hose	4 m	7933
	(with 2 x 1" external thread)	6 m	7934
		8 m	7935
		10 m	7936

Lubricant pumps [PG 4]



Accessories for lubricant pumps Viscomat 200/2, Visco-Flowmat and Viscoair

Description		Order no.
	Pressure hose 1/2" for oil, 2 m, both ends 1/2" inner thread, with union nuts	10697
	Pressure hose 1/2" for oil, 4 m, both ends 1/2" outer thread	8608
	Pressure hose ½" for oil, 6 m, one end ½" external thread, other end union nut and ½" double male connector	8351
	Pressure hose ½" for oil, 10 m, one end ½" external thread, other end union nut and ½" double male connector	8352
Ĵ	Quick coupling for drums 2" x 1" (with 1" internal thread)	7781
	1.6 m PVC suction hose with foot valve and filter, DN 19, 1" external thread	7783
Č.	Oil dispensing nozzle with ½" swivel joint, fixed outlet with anti-drip nozzle. The K400 meter can be integrated between the handle and outlet.	8573
1	Electronic K400 meter, oval wheel principle, 1-30 L/min, ½" inner thread, max. 70 bar, fits equipment including	8574
	Oil dispensing nozzle K500, with electronic meter, ½" inner thread connection with swivel joint, 2-fold adjustable angle outlet with anti-drip nozzle, 1-30 L/min, max. 70 bar, with quantity pre-setting from 0.1 - 99.9 I. When the preset quantity is reached, the nozzle shuts off automatically.	8576

Compressed air pumps for lubricants [PG 4]

Super silent

77 dB

1) Viscoair 22

ratio 3.5 : 1

for oils up to

approx. 500 cSt

Compressed air pump Viscoair

- operates at 3 8 bar
- compressed air connection 1/4" internal thread
- medium outlet 1/2" male thread
- air consumption approx. 200 250 L/ min
- suction connection 1" internal thread
- includes drum adapter 2" male thread
- · operation only with service unit

Compressed air pumps Viscoair

Description	Flow rate L/min	Order no.
① Compressed air pump Viscoair 22	21.5	10694
② Compressed air pump Viscoair 16	15.5	10695

Accessory for compressed air pumps Viscoair

Description	Order no.
Quick coupling plug for compressed air, G 1/4" external thread, brass	8738

lubricants

2 Viscoair 16

ratio 5.5 : 1

for oils up to

approx. 800 cSt

Electric drum and IBC pumps [PG 4]

chemicals

Complete pump sets

for your liquid chemicals

- motor, 230 VAC
- ex-proof version available
- sealless pump unit with stable 8 mm driveshaft without guide tube
- robust, no dead space, easy to clean
- brief running on empty possible
- quick-lock coupling for super-fast connection with stable gear coupling, insensitive to soiling and aggressive environments
- contained in each set: PP drum adapter, 2" outer thread and wall bracket for storage



Basic set, for occasional use, can be used for diluted acids and lyes



Allround set, for regular use, can be used for concentrated acids and lyes



Electric drum and IBC pumps



Chemical set, for professional use, can be used for aggressive liquids



Wall bracket



Ex-klusiv set, can be used for solvents and highly flammable liquids



Drum adapter made from PP, 2" outer thread

De	Description / scope of delivery		. data, ma	ximum va	alues	for drum, immersion	
		Flow rate				depth 1,000 mm	depth 1,200 mm
		L/min	bar	kg/L	mPas	Order no.	Order no.
1	Basic set consisting of: Motor p310-A-230, 520 W, pump unit DL-PP-A-Niro, 2 m PVC hose reinforced DN19, dispensing nozzle PP/FPM/Niro	100	0.6	1.3	300	10438	10442
2	Allround set consisting of: Motor p400-A-230, 850 W, pump unit DL-PP-R-HC, 2 m PVC hose reinforced DN25, dispensing nozzle PP/FPM/HC DN25	100	2.0	1.8	700	10439	10443
3	Chemical set consisting of: Motor p400-A-230, 850 W, pump unit DL-PVDF-A-HC, 2 m hose universal chemical DN25, dispensing nozzle PVDF/ FEP 1 ¼"	110	0.8	2.0	800	10440	10444
4	Ex-clusive set consisting of: Motor EX700, 700 W, pump unit Niro-A, 2 m solvent hose DN25, hose connector MS 1 ¼", dispensing nozzle MS/PTFE, potential balancing cable	110	0.7	1.8	600	10441	10445

Hand pumps for chemicals [PG 4]



(2) + (3)

Please read the datasheet for the chemical resistance of the medium to be conveyed, and decide for yourself on the basis of our material specification list!

- material: plastic, polypropylene and polyethylene
- food-safe
- double-action
- outlet tubes suitable for connecting a hose DN 25
- suitable for propionic acids, molasses, detergent, lubricants, AdBlue[®], liquid fertilisers, liquid feeds, pesticides, etc.
- not suitable for highly flammable substances and strong solvents



Hand pumps for chemicals

Description	Flow rate L/pass	Order no.
① Hand pump for canisters up to 30 L, inclusive of adapter C57 and C63, tube diameter 41 mm, max. immersion depth 420 mm	0.16	10054
② Hand pump for drums up to 220 L, inclusive of adapter S70x6, S56x4 and 2" BSP, tube diameter 41 mm, max. immersion depth 930 mm	0.4	10055
③ Hand pump for IBC 10001, inclusive of adapter S56x4 and 2" BSP, tube diameter 41 mm, max. immersion depth 1185 mm, output connection 20 mm	0.4	10273

Crank pump for AUS 32 (AdBlue®)

- solid construction for professional operation
- housing in stainless steel and technopolymer
- drum adapter with connection thread S56x4
- multi-part suction pipe 1 m, can be shortened as required
- PVC dispensing hose 3 m
- stainless steel outlet pipe 19 mm with protective cap



Crank pump for AUS32 (AdBlue®), anti-freeze, water

Description		Flow rate L/pass	Order no.
4	Crank pump for AdBlue [®] with PVC hose 3 m	0.38	10517
	Accessory: plastic hand dispenser, with lever lock, polypropylen (PP) body, stainless steel valve, Viton gaskets, connection port DN 19, stainless steel spout 19 mm	max. 80	8333

Gradu	uated price	0.1	discount 3 %	discount 5 %
	Description / Type	Order no.	quantity	quantity
%	Crank pump for AdBlue [®] with PVC hose 3 m	10517	3	5

AdBlue® is a registered trademark of the German Automotive Industry Association (VDA).

Environmental protection and hazardous substance storage



The basics of hazardous material storage



Safe storage of hazardous materials

(German regulations as example)

When storing hazardous materials, various basic legal conditions are to be observed. The essential relevant information is presented below.

Cause for Concern principle:

Water is the most important foundation for life and is irreplaceable. This fact has always been true, and endangering the water supply is a threat to our future. This is why the so-called "cause for concern principle" is central to the (German federal) Water Resources Management Act. In the words of a lawyer: "Cause for concern exists not only when a harmful event is likely to occur but even as soon as a harmful event is not unlikely to occur."

- ✓ Determine your water hazard class
- Note the classification of flammable liquids (see table on right)
- ✓ Observe the legal requirements
- Ensure that your collection trays are positioned correctly
- Check that your tray is made from a material that is resistant to the media held in it

Collection trays in comparison

Characteristic	GRP	PE	Steel
Corrosion resistance			
Trays must remain impervious to liquids across their entire service life and may not be impaired in this function.	No corrosion across entire service life.	No corrosion across entire service life.	Vulnerable 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.	Vulnerable to corrosion: regular checking and recording compulsory.
Cleaning the inside of the tray			
The operator must check at least once a week by means of visual inspection whether any liquid has leaked out of the containers. Any liquid that has leaked out must be removed immediately.	Smooth inside surfaces make it easy to clean the tray if necessary.	Necessary reinforce- ments make cleaning harder.	Smooth inside surfaces enable simple cleaning.
Tray strength		` 	
The walls of the tray must be dimensioned in such a way that they absorb the forces acting upon them. The trays may only be placed on suitable surfaces.	The material structure enables 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 through relatively low material thicknesses.	Higher material thick- nesses have a nega- tive 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 characte- ristic 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.
Our 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 Material of collection trays	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, 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 %
GRP	Х	Х	-	Х	-	Х	Х
Steel painted or galvanised	Х	Х	Х	Х	-	-	-
PE = polyethylene	-	-	-	Х	Х	Х	Х

X approved and resistant - not approved / not resistant

If necessary, please enquire about individual resistances.

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



Accessories see page 142.

protection

• 2 steering and 2 fixed castors (castors dia. 12,5 cm) as well as a pushing bar for trouble-free steering



GRP sumps [PG 9]



Steel foot-frame, galvanised





Screw on fixing angle for pallets



Edging for steel grating





Loading rails

Covering strips and cover plate for multiple installation



28 / 18

Example: multiple installation

Accessories for GRP sump/spill pallets

Description			Externa	al dimension cm (l x w x	k h)	Weight approx.	kg	Order no.
 Steel frame, galvanised (max. drive-under height 96 mm) only for GRP sump/spill pallet 220/2 				128 x 85 x 11 15				6889
 Screw on fixing plate for pallets 	s (2 off with screws) of	only for GRP pa	allet sump	o/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 dim cm (I x w		Weight approx. kg Steel / GRP	g	alvanised steel Order no.	C	GRP Order no.
Grating for GRP sump/spill pallet	65	80 x 40	,	6 / -		7641		-
	150	118 x 78	х З	12,5 / -		8121		-
	220/1	83 x 83 :	х З	14 / 7		8176		10601
	220/2	125 x 83	х З	18 / 11		6883		6887
	220/3	185 x 83	х З	28 / 18		7084		7338

Accessories for multiple installation

220/4

Туре	Description		number required			
		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	

125 x 125 x 4

6941

6885

Euro PE sump/spill pallet 250/2 [PG 9]

Euro PE sump/spill pallet 250/2 with general construction inspection approval 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 approval no.

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



Integrated recessed handles for easy lifting

Description / Capacity, L	External dimensions cm (l x w x h)	Capacity kg	Quantity 200 L drums	Weight approx. kg	with General Construction Inspection Approval Order no.	without approval 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
with PE grating	120.5 x 80.5 x 34	600	2	29	8278	8426
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
with PE grating	120.5 x 80.5 x 44	600	2	31	8281	8429
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
with PE grating	120.5 x 80.5 x 44	600	2	33	8284	8432
Euro PE sump/spill pallet 250/2 mobile	with steering and fixed	d 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
with PE grating and steel baseframe	129 x 80.5 x 104	400	2	39	8287	8435

* Loading height 250/2 mobile 49 cm, castor dia. 12.5 cm

Accessories see page 145.
PE sump/spill pallets [PG 9]

PE sump/spill pallet 240 with general construction inspection approval no. Z-40.22-380

- manufactured from high quality polyethylene (HD-LMD)
- high chemical resistance
- removable perforated plate
- forklift-accessible on all four sides (240/4)
- forklift-accessible on two sides (240/1, 240/2 and 240/4e)





PE sump/spill pallet 240/2

PE sump/spill

pallet 240/4e



Accessory: access ramp for PE sump/spill pallet 240



PE sump/spill pallet 240/4

PE sump/spill pallet 240/1



PE sump/spill pallet 240/4

PE sump/spill pallet 230/2 with general construction inspection approval no. Z-40.22-380

- manufactured from high quality polyethylene (HD-LMD)
- high chemical resistance
- suitable for Euro-pallets (1200mm x 800mm) and plastic pallets of similar size
- loaded pallets may be placed by a forklift directly on the tray (PE perforated plate is not required)
- forklift-accessible on two sides
- PE perforated plate with inspection access (optional as an accessory)

PE sump/spill pallets



PE sump/spill pallet 230/2 with PE perforated plate (accessory)

PE sump/spill pallet 230/2

Description / Type	Overall dimensions cm (l x w x h)	A / B cm	C / D cm	Loading capacity kg	Collection volume L	Quantity 200 L drums	Weight approx. kg	Order no.
240/1	100 x 68 x 60	-	-	250	225	1	17	10017
240/2	130 x 75 x 44	37.5 / 81.5	-	500	236	2	20	10018
240/4	138 x 129 x 28	27 / 71	40 / 84	1000	242	4	31	8524
240/4e	245 x 66 x 27	-	-	1000	220	4	34	10019
230/2	131 x 91 x 38	19 / 60	-	650	230	2	17	10285

Accessories for PE sump/spill pallets

Description	Overall dimensions cm (l x w x h)	Loading capacity kg	Weight approx. kg	Order no.
Access ramp for type 240/2	250 x 75 x 45	500	54	10518
Access ramp for type 240/4 and 240/4e	175 x 75 x 30	500	27	10519
Perforated plate for PE sump/spill pallet 230/2	121.5 x 81.5 x 4.5		8	10286

Technical specifications subject to change.

Small container/laboratory trays [PG 9]



PE sump/spill pallet 30 L with PE grating 80 x 40 x 15.5 50 30 4.5 8719 PE sump/spill pallet 40 L 80 x 60 x 15.5 40 3.5 8720 40 PE sump/spill pallet 40 L with PE grating 80 x 60 x 15.5 100 6.5 8721 PE sump/spill pallet 60 L 100 x 60 x 17.5 60 4.5 8722 PE sump/spill pallet 60 L with PE grating 100 x 60 x 17.5 200 60 8.5 8723 PE sump/spill pallet 100 L 120 x 80 x 17.5 100 7.5 8724 PE sump/spill pallet 100 L with PE grating 120 x 80 x 17.5 200 100 16 8725

Additional trays for further applications on page 190



Mobile filling station [PG 9]

Mobile filling station

- made of polyethylene
- ideal as a mobile filling station and bund
- easy to maintain, fluid flows into front area
- easy handling thanks to symmetrical design
- all-rubber wheels and steering castors with locks
- tensioning belts to secure drums
- large filling area with beaded surface, texture traps and reduces fluid movement
- sturdy handles
- lock-in safety support for easy vertical pick-up and storage of drums
- 2 foot recesses facilitate tilting and handling











Mobile filling station

Description	Overall dimensions cm (l x d x h)	Containment capacity L	Quantity 200 L drums	Weight approx. kg	Order no.
Mobile filling station	81.5 x 68 x 174	250	1	42	8528



Description	Overall dimensions cm (I x w x h)	Collection volume L	Quantity 200 L drums	Weight approx. kg	Order no.
PE filling station 450	135 x 138 x 64	450	2	46	8674

Accessory for PE filling station 450 L

Description	Overall dimensions cm (l x w x h)	Quantity 200 L drums	Weight approx. kg	Order no.
PE drum pallet	94 x 138 x 39	2	15	8675

Technical specifications subject to change.

Steel sump/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 pushing bar for troublefree steering
- collection volume 205 L
- loading height SW1-mobile 49 cm, loading height SW2-mobile 42 cm

Mobile steel sump/spill pallets

TÜV certified products Approved under StawaR Übereinstimmungs- erklärung (ÜHP) Declaration of Conformity gemäß Bauregelliste A Teil 1, DIBt Berlin		
	SW1-mobile galvanised	SW2-mobile painted

Description /	Туре	External dimension cm (I x w x h)	200 L drum items	Loading capacity kg	Weight approx. kg	Order no.	
SW1-mobile	painted	98 x 81 x 104	1	300	82.5	7397	
	galvanised	98 x 81 x 104	1	300	82.5	7398	
SW2-mobile	painted	138 x 81 x 104	2	450	98.5	7399	
	galvanised	138 x 81 x 104	2	450	98.5	7400	
Securing belt	Securing belt for safer transport, 25mm x 4m, one-piece						

Small steel collection trays [PG 9]

Small steel collection trays

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



Description / Type	External dimension cm (I x w x h)	Capacity I	Weight approx. kg	Order no.
① Small steel collection trays Q30	46 x 43.5 x 17	30	11	11003
② Small steel collection trays R30	90 x 44.5 x 9	30	16	11004
③ Perforated plate insert Q30	-	-	2.5	11060
④ Perforated plate insert R30	-	-	3.5	11061

GRP, PE and steel sump/spill pallets [PG 9]











PE barrel support for GRP and steel sump/spill pallets

Description / Type	External dimension cm (I 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
5 PE drum pallet	94 x 138 x 39	2 x 200 L	15	8675

Technical specifications subject to change.

IBC bunds PE [PG 9]

IBC collecting trays in PE with National Technical Approval (applied for)

- made from high-quality polyethylene
- high chemical resistance
- Capacity 1,100 litres
- 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



NEW



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

IBC bunds (Polyethylene) [PG 9]

IBC bunds PE

with general construction inspection approval no.: Z-40.22-451

- manufactured from high quality polyethylene (HD-LMD)
- high resistance to chemicals
- capacity 1,100 L resp. 1,200 L
- forklift- or walkie-truck-accessible (do not transport when filled)



IBC bund 1100/1 PE with PE perforated plates



IBC bund 1100/2 PE with PE perforated plates

IBC bunds PE

<complex-block>



IBC bund 1200/1-PE

from high quality polyethylene

high resistance to chemicals

forklift- or walkietruck-accessible

Description / Type	External dimensions cm (I x w x h)	Collection volume L	Cont. à 1.000 l item	Loading capacity kg	- 3	Order no.
IBC bund 1100/1 PE	145 x 145 x 100	1100	1	2000	75	8581
IBC bund 1100/1 PE with PE perforated plate	145 x 145 x 100	1100	1	2000	105	8582
IBC bund 1200/1 PE with PE perforated plate	168 x 168 x 70	1200	1	2000	86	10520
IBC bund 1100/2 PE with PE perforated plate	245 x 145 x 58	1100	2	4000	120	8583

Accessories for IBC bunds PE

(accessory)

Description	External dimensions cm (l x w x h)	Collection volume L up to the overflow	Weight approx. kg	Order no.
Filling attachment for IBC bund 1100/1 PE	59 x 64 x 107	100	10	8584
Filling attachment for IBC bund 1200/1 PE	59 x 64 x 79	100	9	10521
Filling attachment for IBC bund 1100/2 PE	59 x 64 x 67	100	6	8585

Ground protection systems (Polyethylene) [PG 9]

Ground protection systems (PE) with general construction inspection approval no.: Z-40.22-443

- 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
- rugged, removable PE perforated plate
- stable PE access ramp with an integrated fixing bolt for connection to the perforated plate, slight inclination for easy loading of the floor elements
- perforated plate and access ramp are non-slip



Connecting rails and cross connectors as accessories

Ground protection systems (Polyethylene)

Description / Type		Overall dimensions cm (l x w x h)	Collection volume L	Ultimate load kg	Weight approx. kg	Order no.
PE ground FS 150	FS 150 / 16 / 8-PE	160 x 80 x 15	120	500	24	8525
protection systems	FS 150 / 16 / 16-PE	160 x 160 x 15	240	1000	45	8526
Access ramp	AR 150 / 8-PE	129 x 81 x 15	-	300	15	8527

Accessories

Description		Overall dimensions cm (l x w x h)	Diameter Ø cm	Order no.
	Connecting rail, long	150 x 4 x 4	-	8676
	Connecting rail, short	70 x 4 x 4	-	8677
•	Cross connector	9,5 x 6,7 x 1	8	8678

Ground protection systems (Steel) [PG 9]

Steel area protection systems with prototype approval

offer safety when handling waterhazardous and flammable substances. Modular, matched elements enable the lining of any large surfaces to be suited for use as a storage or transfilling station.

- suitable for storage of water-polluting and flammable substances
- modular, matched elements

- painted (RAL 5002, ultramarine blue) or galvanised
 with hot-dip galvanised
- with hot-dip galvanised gratings







System elements

Description / Type		External dimensions cm (l x w)	Height cm	Collection volume L	Capacity kg/m²	Wheel load kg	Weight approx. kg	Order no.
Ground	FS 55/13/13 painted	130 x 130	5.5	49	5000	450	106	7401
protection	FS 55/13/18 painted	130 x 180	5.5	69	5000	450	136	7402
	FS 55/13/28 painted	130 x 280	5.5	108	5000	450	223	10617
	FS 55/18/18 painted	180 x 180	5.5	96	5000	450	201	7403
	FS 108/13/13 painted	130 x 130	11	105	5000	450	112	7404
	FS 108/13/18 painted	130 x 180	11	146	5000	450	153	7405
	FS 108/13/28 painted	130 x 280	11	228	5000	450	233	10618
	FS 108/18/18 painted	180 x 180	11	220	5000	450	209	7406
Access	AR13 galvanised	126 x 72	5.5				30	7407
ramp	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. Galvanized version of ground protection elements upon request.

Fastening elements

Descrip	otion / Type	External dimensions mm (w 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 Type 120 [PG 9]

• 2 storage levels for up to two 60 L barrels

or

• 2 storage levels for small containers

or

- 1 storage level for one 60 L barrel and 1 storage level for small containers
- GRP sump/spill pallet with 65 L collection volume

d with e Model 3 Drum rack Type 120

• Drum supports





Application example: with **steel grating** for GRP sump/spill pallet as 3rd storage level (see page 166)

Application example: with **stackable barrel support** as an extra storage level for a 60 L drum (see page 166)

Drum rack type 120 for small containers and 60 L barrels

Description		Overall dimensions	Heights of storage levels in cm	Weight approx. kg	Order no.
Type 120	with GRP sump/spill pallet 65 L (7086)	cm (l x w x h)	from ground		
	Model 1 with drum supports for 2 x 60 L barrels	45 x 82 x 131	63 / 115	18	7081
	Model 2 with grating support for small containers	45 x 82 x 131	60 / 112	21	7639
	<u>Model 3</u> with drum and grating support for 1 x 60 L barrel and small containers	45 x 82 x 131	60 / 112	19	7640

Accessories see page 166.



Drum rack type 400 for small containers and up to 4 x 60 L barrels

Description Type 400 with GRP sump/spill pallet	220 L (6882)	Overall dimensions cm (l x w x h)	Heights of storage levels in cm from ground	Weight approx. kg	Order no.
	<u>Model 1</u> with barrel support for 2 x 60 L barrels or 1 x 200 L barrel	99 x 128 x 84	62	41	7663
	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	99 x 128 x 162	62 / 140	70	7664
	<u>Model 3</u> with barrel support for 2 x 60 L barrels or 1 x 200 L barrel and grating support for small containers	99 x 128 x 162	62 / 139	82	7665

Accessories see page 166.

Accessories for drum racks [PG 9]

Accessories drum racks type 120 up to type 800

A0003301103 (arum	Tacks type 120 up to type o	00			
	for Type	Description	Overall dimensions cm (I x d x h)	Heights of storage levels in cm from ground	Weight approx. kg	Order no.
•	400	Sump/spill pallet support (pair), sump/spill pallet forkliftable by forklift		15	7	7668
	800	Sump/spill pallet support (pair), sump/spill pallet forkliftable by forklift		15	10	7679
The second	400	Storage level for 1 x 200 L or 2 x 60 L drums	99 x 66 x 84	62	28	8326
Freef	800	Storage level for 2 x 200 L drums	141 x 66 x 84	62	33	8328
[Feef]	800	Storage level for 3 x 60 L drums	141 x 66 x 84	62	36	8329
	120	Steel grating for GRP sump/spill pallet as 3rd storage level	42 x 80 x 3	24	6	7641
	360 540	Steel grating as 3rd (for type 360) or 4th storage level (for type 540)	130 x 62 x 3	21	18	6817
	360 540	Steel tray 20 L as 3rd (for type 360) or 4th storage level (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 149)	130 x 62 x 8	22	5	7871
	120	Stackable drum support, for an extra storage level for a 60 L drum (see page 152)	63 x 45 x 53	167	10	7741
	400	Grating level for small containers	99 x 125 x 84	62	40	8327
and the	360 540	Drum supports 3 pcs. per storage level			1	7800
	360 540	Drum supports "raising" 3 pieces for one for optimum emptying of the 60 L drums			1	8254
CT.	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 s as small containers, etc. from filling off (s		ng storage material such		6990
Þ	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 bra			1	3775 3776
U	all	Discharge ball valve 3/4", nickel plated bra	ass, angled 90 [FG]		1	3110

Environmental/HazMat cabinets [PG 9]



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

The CEMO environmental cabinets are manufactured from quality sheet steel. All cabinets are approved by the floor trays according to StawaR. Since the doors are lockable, access can be restricted to a group of people who are experts in handling hazardous substances. Not suitable for the storage of flammable substances in working rooms.

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

- floor tray according 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
- ventilation openings 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

Environmental cabinet 5/10, 10/10, 5/20 & 10/20 and approved pursuant to StawaR

- 4 sizes for best utilisation of space
- all storage levels are manufactured as galvanised trays
- height-adjustable storage levels, further trays can be ordered as accessories for an additional storage level
- document pouch on inside of door









Environmental/ HazMat cabinet 5/20





Environmental/ HazMat cabinet 5/10

Environmental/HazMat cabinets 5/10, 10/10, 5/20 and 10/20

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

Accessories for Environmental/HazMat cabinets 5/10, 10/10, 5/20 and 10/20

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

Environmental/HazMat cabinets [PG 9]

Environmental/HazMat cabinet 13/20 Based on the drum rack 540, the Environmental/HazMat cabinet 13/20 serves for storage of environmentally harmful substances such as pesticides, lubricants, etc. The surface of the cabinet casing is sealed with a high quality powder coating (RAL 7035 light grey). The doors have ventilation slits top and bottom. On the inside of the door is a document holder in which packing notes, treatment instructions, etc can be properly stored. The base frame and the grating floor are completely hot-dip galvanised. The Environmental/ HazMat cabinet 13/20 is optionally available with a 150 L GRP sump/spill pallet with general construction inspection approval no. Z-40.1-227 or with a galvanised and welded tray bottom of 20 L capacity as the lowest storage level (in accordance with StawaR). Each level can support up to 200 kg. The shelf depth of 600 mm enables the horizontal storage of 60 L drums including discharge valve.

The cabinet requires assembly.





Closed, with warning signs





Environmental/

HazMat cabinet

13/20 with trav bottom

Environmental/HazMat cabinet 13/20 with GRP sump 150 L and 4 gratings



Environmental/HazMat cabinet 13/20

Description		Overall dimensions cm (l x d x h)	Weight approx. kg	Order no.
	with GRP collection tray 150 L and 4 gratings as well as doors, side panels, roof and rear panel	132 x 80 x 200	202	7954
	with 3 gratings and 1 x tray bottom 20 L as well as doors, side panels, roof and rear panel	132 x 63 x 200	204	7956

Accessories for Environmental/HazMat cabinet 13/20

Description	Overall dimensions cm (l x d x h)	Weight approx. kg	Order no.
PE collection tray 40 L as insert tray (acid-/alkali resistant)*	130 x 62 x 8	5	7871
Barrel supports 3 off per storage level	130 x 62 x 8	1	7800

Please note: For a storage capacity of 200 L or more, approved collection trays may be prescribed. The collection volume/size of the collection tray should be sufficient for 10% of the total volume / or rather minimum capacity of the largest container, depending which is higher.

* see page 149

HazMat collection stations [PG 9]

Hazardous substance collection stations from glass fibre reinforced plastic (GRP)

offer central, safe storage for different containers and liquids. The GRP sump pallet with splash protection wall is suitable to store liquids of all the waterpolluting classes.

The wide opening, L ockable lid with pneumatic springs enables easy loading/ unloading and allows outdoor use – station has galvanised floor frame with grating.

Hazardous substance collection station with grated floor with general technical approval no. Z-40.12-228 granted by DIBt-Berlin





Hazardous substance collection station with <u>roller floor</u> for outdoor installation. Barrel stand as accessory (see page 166) Hazardous substance collection station with <u>grated floor</u> for indoor installation without any hood. Barrel stand as accessory (see page 166)



GRP hazardous substance collection station

Description	Surface area cm (I x w)	Height cm	Weight approx. kg	Order no.
Collection station with grating floor for <u>outdoor</u> installation (with hood), with 200 L containment volume	150 x 85	211	85	3412
Collection station with grating floor for index installation (without hood), with 200 L containment volume	150 x 85	138	60	5229

Accessories for GRP hazardous substance collection station

Description	Weight approx. kg	Order no.
Discharge ball valve 1/2", nickel plated brass, angled 90° [PG 1]	1	3775
Discharge ball valve 3/4", nickel plated brass, angled 90° [PG 1]	1	3776
Hood, lockable, complete with fittings, suitable for order no. 5229		3341



Sheet steel hazardous substance station

Hazardous substance station	
for outdoor installation	

Description	External dimensions	Internal dimensions	Loading	Weight	Order
	cm (I x w x h)	cm (I x w x h)	kg	approx. kg	no.
EW2-GH/VbF painted, with 225 L containment volume for storing a maximum 2 x 225 L barrels	142 x 89 x 151	138 x 85 x 107	1000	212	7597

Technical specifications subject to change.

Safety storage containers [PG 9]

As an accessible store, they offer a compact solution for the storage of hazardous substances/materials.

The **type series SRC W** provides safe storage for liquids which are hazardous to water. The **type series SRC N** with natural ventilation fulfils the requirements for the storage of flammable liquids.

The type series SRC T $\,$ with thermal insulation is designed for the storage of

temperature-sensitive substances.

Container design:

Prefabricated model from galvanised sheet steel. Wall and roof elements from galvanised trapeze profile corrugated sheet steel.

Wall, roof and floor sections made from thick steel plates. Hot dipped galvanised

steel sump floor, floor grating removable (loading 1000 kg/m²).

Large, single wing door (width 1294 mm) for simple handling. Traversable roof (designed to withstand 125 kg/m² snow load) with drainage via interior gutters.







SRC 5.1W galvanised with 2-wing door and ventilator (optional, see accessories)

 equipped with a mechanical ventilation (optional, see accessories), water-polluting and flammable fluids can be stored.



SRC 4.1W galvanised, 4 sliding doors, per 2 overrlapping



SRC 3.3W galvanised with 1-wing door (199.6 cm high, 130 cm wide) on the narrow side



SRC 3.1W painted with 1-wing door (199.6 cm high, 130 cm wide) on the long side

Safety storage containers [PG 9]



SRC 4.1, galvanised, with accessory: 2-wing door



Outdoor storage of flammable material

For outdoor storage, hazardous substances/materials stores do not need not be fire-proof, if:

- there is a sufficient safety distance of at least 10 meters to the nearest building or
- any building walls closer than this are fire-proof (F 90 according to DIN 4102) or
- provides technical or natural ventilation for the required air replacement



natural ventilation: Microperforation ventilation grille, gap ventilation internally

Safety storage container with natural ventilation

Description	External	Base Co	Collection	galvanis	galvanised model		and painted
	dimensions	surface	volume	position of door		position	of door
	cm (l x w x h)	m²	in L	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 234	2.1	300	10339	-	10340	-
Type SRC 2.1N	235 x 195 x 234	4.6	630	10341	10342	10343	10344
Type SRC 3.1N	298.5 x 235 x 234	7.0	1000	10345	10346	10347	10348
Type SRC 3.2N	471 x 298.5 x 234	14.0	2 x 1000	10349	10350	10351	10352
Type SRC 3.3N	705 x 298.5 x 234	21.0	3 x 1000	10353	10354	10355	10356
Type SRC 4.1N	402 x 235 x 234	9.5	1000	10357	10358	10359	10360
Type SRC 5.1N	505.5 x 235 x 234	11.9	1000	10361	10362	10363	10364
Type SRC 6.1N	609 x 235 x 240	14.3	1000	10534	10535	10536	10537

On delivery: Unloading of the goods by the customer.

Safety storage container with sliding door and natural ventilation



Description	External dimensions	Door position	Base	Collection	galvanised	galvanised and painted
	cm (l x w x h)	on wall side	surface m ²	volume L	Order no.	Order no.
Type SRC 3.1N ST	298.5 x 237 x 234	298.5	7.0	1000	10365	10366
Type SRC 3.2N ST	473 x 298.5 x 234	298.5	14.0	2 x 1000	10367	10368
Type SRC 3.3N ST	707 x 298.5 x 234	298.5	21.0	3 x 1000	10369	10370
Type SRC 4.1N ST	402 x 237 x 234	402	9.5	1000	10371	10372
Type SRC 5.1N ST	505.5 x 237 x 234	505.5	11.9	1000	10373	10374
Type SRC 6.1N ST	609 x 237 x 240	609	14,3	1000	10538	10539

On delivery: Unloading of the goods by the customer.

Secure cabinets FWF 30 and FWF 90 F-SAFE

[PG9]

Cabinets for proper storage of hazardous substances in work areas, in accordance with DIN EN 14470-1 and TRGS 510 (Annex 3) *.

The secure cabinets F-SAFE are design approved in accordance with DIN EN 14470-1 and correspond to DIN EN 14727 (Laboratory Furniture Directive).

The cabinets are resistant to fire for 30 or 90 minutes.* The outer body consists of a non-combustible material. The surface coating is highly resistant to chemicals. Body colour light grey, similar to RAL7035. Door colour zinc yellow, similar to RAL 1018.



In accordance with TRGS 510 (Annex 3). the fire resistance may be less than 90 minutes, but must be at least 30 minutes. if

- 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
- 2. only one of the separate building unit/fire (-fighting) compartment is protected by an automatic fire detection system and 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.







Secure cabinets FWF 30

Version secure cabinet FWF 30:

- with sign GS and CE
- 30 minute fire-resistance
- single-layer doors and walls in homogenous full material
- in case of fire, self-closing ventilation openings on the top of the cabinet, DN 100 mm
- · hydraulic door closer with integrated
- arrest system (thermally triggered)

bottoms and 1 floor tray 44 L

- 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 tray bottoms, powder-finished in RAL 7035,

load bearing capacity 75 kg

- one steel plate bottom tray, powderfinished 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 litre
- 6/20 with bottom tray 20 litre, 12/20 with bottom tray 44 litre

1











Accessories see page 180

Description / Type	External dimensions cm (I x d x h)	Internal dimensions cm (I x d x h)	Weight approx. kg	Order no.
1) 6/20 – FWF 30 3 tray bottoms, 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 tray bottoms, 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

Technical specifications subject to change.

Secure cabinets FWF 30 and FWF 90 F-SAFE

[PG9]

Accessories for secure cabinets FWF 90 F-SAFE

Description

- Cable feed-through Ø 30 mm for secure cabinets FWF 90 F-SAFE
- (2) Cable and pipe feed-through Ø 125 mm for secure cabinets FWF 90 *F-SAFE*



10962



Ventilation systems [PG 9] for secure cabinets

Emerging vapours and gases must be extracted directly on location. The ventilation systems prevent a build-up of gases in secure cabinets.

- Fans and the exhaust system must be connected to an exhaust air line that leads to the open air.
- The air filter system cleans the air and does not need an exhaust air line.

Exhaust air fan with airflow monitoring

- sheet steel housing, powder-coated, light grey RAL7035
- includes cabinet connection adapter
- ATEX-compliant for extraction from Ex-zone 2 and installation in Ex-free zone
- sound pressure level Lp2A: 35 dB(A)
- flow rate: 50 200m3/h
- overall pressure: 250 50 Pa
- floating output via DIN socket
- voltage: 230 V87
- power consumption: max. 0.45 A
- frequency: 50 Hz
- protection class CE II 3 G T4
- external dimensions (WxDxH): 250 x 425 x 255 mm



NEW

Exhaust fan (rear view) with adapter (included in scope of delivery) for connecting to the secure cabinet, connection nozzles (top of cabinet) for connecting to an external exhaust air line

no exhaust line to outside

no wall penetration required

Recirculation fan with active carbon filter

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

- sheet steel housing, powder-coated, light grey RAL7035
- incl. active carbon, coarse and fine filters
- ATEX-compliant for extraction from Ex-zone 2 and installation in Ex-free zone
- noise pressure level: 38 dB(A)
 flow rate: 25m³/h
- flow rate: 25m3/n
- with volume flow monitoring
- saturation level monitoring for filters
- floating output via DIN socket
- voltage: 230 V / 50 Hz
- protection class CE II 3 G T4
- dimensions WxDxH: 285 x 295 x 500 mm

Ventilation systems for secure and drum cabinets

Description	External dimensions cm (l x w x h)	Order no.
Exhaust air fan for secure cabinet type Typ FWF30	25 x 42.5 x 25.5	10184
Exhaust air fan for secure cabinet type Typ FWF90	25 x 42.5 x 25.5	8739
Recirculation fan SST UL with adapter for type FWF90	500 x 285 x 295	10963
Replacement filter set for recirculation fan SST UL	-	10964

Storage and operation of lithium batteries



Example: Use of lithium batteries: e-bike...

Lithium batteries are becoming increasingly important in our everyday lives. These powerful batteries can be found more and more not only in small mobile devices or bicycles (e-bikes) but also on a corresponding scale in industrial devices, vehicles and machines. However, despite their high power, lithium batteries are not without their dangers. That's because if these batteries are damaged or handled incorrectly, they can quickly have dramatic consequences, usually in the form of a fire. Lithium batteries are therefore also a challenge in terms of fire safety as the batteries burn very strongly and a fire spreads very quickly.

The most typical problem is the battery catching fire after a technical fault or mechanical damage (impact, fall). An incorrect charging method can also lead to damage and cause the battery to catch fire. As the batteries are not under constant surveillance, a fire can very quickly spread unnoticed.

A damaged lithium battery can also lead to the escape of toxic gases, which then pose a real danger, in addition to an explosively erupting jet of flame. For this reason, maximum security must be ensured when storing lithium batteries.

A total discharge (deep discharge) of a lithium battery can also lead to internal damage due to a short circuit and consequently trigger a fire. That's why the batteries should be stored with a 40% charge.



... mobile filling stations

The temperature is also an important factor when storing lithium batteries because it affects the charge state of the batteries. It is officially recommended that lithium batteries be stored at room temperature in order to avoid a total discharge and thus to avoid damage to the battery. Overheating, e.g. by direct sunlight, should also be avoided.

Lithium is a chemical element that reacts when it comes into direct contact with water. Damaged lithium batteries can ignite when they come into contact with water. That is why water is not a suitable extinguishing medium for a fire involving lithium batteries. Water can be used to cool and extinguish any surrounding areas that are on fire.

Summary of the possible causes of fire:

- Mechanical damage
- Incorrect charging method
- Total discharge (deep discharge)
- Overheating through high ambient temperature

There are currently no provisions in public law for the storage and provision of lithium batteries. Nevertheless, several things need to be noted when storing and using lithium batteries with regard to insurance guidelines and statutory requirements concerning the storage of hazardous substances.



... or tool batteries

Safety rules:

- Protection of the battery poles against short circuit
- · Protection against mechanical damage
- Immediate professional disposal of damaged products, even with the slightest signs of damage
- Do not expose to direct and permanently high temperatures
- Separate storage
- For storage within buildings, keep a distance of 2.5 m from other facilities or store in separate fire safety areas (e.g. fire safety containers, safety cabinets)
- Training employees how to handle lithium batteries correctly
- Providing suitable fire extinguishers

We recommend the following for the safe storage and correct handling of lithium batteries:

- F90 fire protection container / F90 room / F90 safety cabinet
- Collection tray as specified by the German Water Management Act
- Technical ventilation
- · Equipotential bonding
- Pressure relief area
- Fire alarm
- · Gas warning system
- Air conditioning



Collection containers for indoor storage [PG 9]

Battery disposal box

optimal storage and transport system

- high density PE plastic (HDPE)
- acid-proof to the greatest extent
- can be loaded up to 1 t, stacked up to 3 t
- can be loaded up to 600 kg as individual box, up to 450 kg per box when stacked
- up to 6 boxes can be stacked
- for transporting old batteries (Rh 2807) in accordance with ADR 4.1.4.1 P801a
- stackable and safe for transport
- equipped with three runners
- labeled with danger warnings

Battery disposal box



Capacity, L	External dimension cm (l x w x h)	Weight approx. kg	Order no.
610	120 x 100 x 76	41	8322

Accessory for battery disposal box

Capacity, L	External dimension cm (I x w x h)	Weight approx. kg	Order no.
Lid for box 610	121.5 x 101.5 x 6	7	8086

Collection containers for outdoor storage [PG 9]

Vehicle battery disposal container

- stable GRP model enables clean and safe storage for old vehicle batteries
- approved for transport in accordance with ADR 4.1.4.1 P801a
- two ventilation openings and a galvanised steel base frame for stable positioning
- all fittings are stainless steel
- inserted wooden grate forms a level base surface
- to prevent unauthorised access, the lid can be locked
- labeled with danger warnings





Vehicle battery disposal container

Capacity, L	External dimension 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

Mobile oil suction units [PG4]

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 1/4"
- 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

Oil suction unit

65 I

• max. extraction volume 52 L resp. 75 L

Pneumatic oil suction unit 80 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 1/4"
- 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 unit 90 L with heightadjustable eccentric collection hopper

Pneumatic oil suction units

Description	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Pneumatic oil suction unit, 65 L	60 x 42 x 86	26.9	8726
Pneumatic oil suction unit, 90 L, with collection hopper	62 x 42 x 138	38.2	10145
Pneumatic oil suction unit, 80 L	44 x 49 x 77	24.5	10690
Pneumatic oil suction unit, 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

Pneumatic oil suction unit 80 L.

with collection hopper

Electric oil suction unit

Description	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Electric oil suction unit, 12 L	32 x 32 x 90	19.5	8253

Used oil collector [PG4]

Mobile used oil collector 80 L

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

Mobile used oil collector 80 L

Used oil collector

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



Filling funnel dia. 300 mm



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



PE surface protection trays

- versatile use: under machines, tanks, as table/workbench tray, single tray, etc.
- easy to link through clip system, e.g. for lining areas
- safe, can be walked on, simple to lay, can be retrofitted, maintenance-free



PE surface protection trays

Description	Collection volume L	Dimensions per element cm (l x w)	Order no.
① PE surface protection tray 5 L sold in packs of 3	3 x 5	56 x 78	8712
② PE surface protection tray 12 L	12	124 x 78	8714
PE surface protection tray 15 L	15	136 x 86	8911

Folding tray 8/12

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 fill-level indicator
- space-saving when folded up
- ready for use in seconds
- impervious to liquid
- easy forklift access when empty

Folding tray 8/12

 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 (I x w x h)	Collection volume L	- 3	Order no.
Folding tray 8/12	130 x 170	84 x 124 x 22.5	45 x 70 x 12	210	5.5	10179
Transport bag for folding tray 8/12						10182

Folding tray 30 L

This folding collection tray is made from PVC and has built-in reinforcement plates; its extremely flat design means it can be transported in any vehicle.

It is ideally suited for transporting hazardous materials on construction, agricultural and forestry machines. This saves you unnecessary costs caused by leaking chemicals or oils.

• flat design, low space requirement when unfolded (only 2,5 cm high)

Folding tray 30 L

- quick assembly with Velcro fasteners
- absolutely impervious to liquid
- resistant to many chemicals and oils





Description Col	lection volume L	External dimensions cm (l x w x h)	Collapsed dimensions cm (l x w x h)	Weight approx. kg	Order no.
Folding tray	30	60 x 40 x 25	60 x 40 x 2.5	1.2	10183

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.

Advantages:

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

fluid, and the fluid is quickly absorbed. 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 binder "Universal" grey

The Cemsorb binder "Universal" was devel- oped to absorb all types of fluids. We do not recommend using it on water surfaces. Please use the Cemsorb binder "Universal" to absorb small quantities of different technical fluids.

Cemsorb binder "Oil" blue

Cemsorb binder "Oil" was developed to absorb oil and oil derivatives. Cemsorb oil binder is hydroscopic; it does not absorb water.



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



strengthened surface absorbing agent with high absorption capacity liquid-proof film protects the ground (5)

Cemsorb carpet







Cemsorb snake "Oil"

Cemsorb drum cover "Universal" with reinforced and lint-free surface

Cemsorb absorbents

Description	Absorption in L / sales unit	Dimension cm	Area m²/ sales unit	Sales unit	Weight approx. kg / sales unit	oil (blue or white) Order no.	universal (grey) Order no.
 Cemsorb cloths Heavy weight Perforated in width direction 	113	40 x 50	20	100 cloths / carton	6	8793	8794
 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
 Cemsorb carpet "Oil" Heavy weight Non-slip, dense, reinforced 	41.3	80 x 120	9.5	10 carpets / carton	4.4	10412	-
 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

Transport and storage containers



Load securing – Responsibility

Experience shows that loads are often insufficiently or incorrectly secured. Securing the load properly makes a significant contribution to safety during transport, because insufficient load-securing measures cause damage to the cargo and may cause damage or injury to uninvolved third parties. It is therefore essential to know the relevant legal conditions and to be aware of the resulting responsibilities.

This summary is intended to give an overview with regard to responsibilities in the area of securing loads.

Under German law, the <u>loader/sender</u> (e.g. loadmaster of the sender), the <u>haul-</u> <u>ier</u> and the <u>vehicle operator</u> as well as the <u>vehicle owner</u> are assigned responsibilities in the area of securing loads. With regard to responsibility, a fundamental distinction must be made between civil responsibility and public responsibility.

1. Civil responsibility

1.1. Load made safe for conveyance (loader/sender):

The loader/sender must place the goods on the load surface, and has the obligation to secure the goods (by means of lashing straps, chains, chocks or other suitable aids) and to stow (load) them so that the goods are secured against falling over and moving around on the load surface as a result of dynamic influences during transport (e.g. knocks, vibrations, braking manoeuvres) as well as against falling from the vehicle.

1.2. Operationally secure loading (haulier):

The haulier is to provide a suitable vehicle with appropriate devices for securing the load (e.g. lashing points) and to ensure that operational safety is not impeded and that the vehicle is fully functional at all times. Furthermore, the haulier is responsible for adhering to the dimensions, axle loads and total weight as well as the load distribution plan.

IMPORTANT: If the haulier transfers the load to another vehicle during transport, the haulier shall be liable for this transfer. In this case, the haulier is liable for any insufficient securing of the load and possible loading errors that arise from the transfer procedure.

2. Public responsibility

The provisions of StVZO [German Road Vehicle Registration Regulation] and StVO [German Road Traffic Regulation] are of importance for securing loads that are subject to **statutory obligations**.

Anyone who does not wish to accept public responsibility in road traffic and does not comply with his/her duty to secure the load can be punished with fines or entries in the central register of traffic offenders and in the central commercial register. In case of negligence, or if regulations are intentionally ignored, criminal proceedings can also be initiated. This applies to the load/sender, haulier, vehicle operator and vehicle owner.

Statutory regulation of load securing in the public domain:

2.1. Sec. 22 para. 1 StVO: Load

The load, including equipment for securing the load and loading devices, are to be stowed and secured so that they are unable to slide, fall over, roll around or fall off, even under full braking or sudden swerving, or produce avoidable noise. The recognised rules of the technology are to be observed.

Responsible: Loader/sender and vehicle operator.

2.2. Sec. 23 para. 1 StVO: Other obligations of the vehicle operator

The vehicle operator is responsible for ensuring that his view and hearing are not impeded by the occupants, animals, load, equipment or condition of the vehicle. He/ she must ensure that the vehicle, the tractor, the tractor-trailer combination and the load and the occupants are in compliance with regulations and that the road traffic safety of the vehicle is not impeded by the load or the occupants. He/she must also ensure that the prescribed labelling is always fully legible. Prescribed lighting equipment must be available on motor vehicles and their trailers as well as on bicycles, even during the day, and operationally ready, but otherwise only if it is anticipated that the vehicle is still in traffic when lighting is required (Sec. 17 para. 1).

2.3. Sec. 30 para. 1 StVZO: Condition of the vehicles

Vehicles must be manufactured and equipped so that

 a) their usual operation in traffic does not harm anyone or endanger, obstruct or impede anyone more than unavoidable. b) the occupants, especially during accidents, are as well protected as possible against injury and that the extent and consequences of injuries are kept to a minimum.

2.4. Sec. 31 para. 2 StVZO: Responsibility for operation of the vehicles

The vehicle owner is not to arrange or permit operation of the vehicle if he is or is required to be aware that the vehicle operator is not suitable to operate the vehicle independently or that the vehicle, the tractor, the tractor-trailer combination, the load or the occupants are not in accordance with regulations or that the road traffic safety of the vehicle is impeded by the load or the occupants.

3. Summary

The securing of loads is prescribed by Sec. 22 para. 1 StVO. A person who secures the load as a result of this is defined under civil law (see 1. Civil responsibility).

Responsibility for securing the load is transferred to the vehicle operator by Sec. 23 para. 1 StVO. Pursuant to Sec. 30 para. 1 StVZO, the vehicle owner is to use a suitably equipped vehicle and to ensure (see 2.4. Principle Sec. § 31 para. 2 StVZO) that this equipment is sufficient for

performing the transport in question.

The acknowledged rules of the technology (Sec. 22 para. 1 StVO; e.g. VDI guidelines 2700 and DIN EN standards) are to be observed when securing loads. The actual measures for securing the load must be carried out on the basis of these rules. Anyone wishing to delegate public responsibility for securing the load through agreements or instructions (e.g.: to the haulier) must observe the following:

- An explicit instruction / order must be available
- The instructed individual must be professionally suitable and technically able
- to perform random inspections in order to check the transferred obligations for proper execution.

The inspections are to be documented. If safety defects are found, measures are to be taken to eliminate these.

GRP Tanks



CEMO tanks are manufactured from GRP (glass fibre reinforced plastic) using stateof-the-art technology. The vacuum injection method used enables rationalised manufacturing of widely varying sizes and tank shapes.

The finished products have smooth sur-

faces on both sides and a uniform wall thickness. Both tank halves are joined together, by a smooth, absolutely leakfree laminate seam, into a single tank unit. CEMO tanks thus guarantee an optimum quality standard, for safe use over many years.

large filling dome for efficient filling and transportation



GRP is easy to repair

GRP Tanks, oval [PG 8]

Oval tanks made from glass fibre reinforced plastic, GRP

- for zero-pressure operation
- basic model: filling dome dia. 360 mm with quick closing lid or filling dome dia. 420 mm with flap lid
- vent valves fitted in the lid
- outlet opening with 3-hole flange connection
- fixed support runners attached (high pressure impregnated wood, above 7000 L - steel)
- high-speed model: additional baffles in the top and bottom tank halves



with 2 drinking bowls

Capacity L	Dimensions cm (I x w x h)	Dome	Weight	Or	der no. / Do	me
	length incl. runners	dia. mm	approx. kg	front	centre	rear*
600	137 x 92 x 91	360	40	-	1001	-
750	165 x 92 x 91	360	45	-	1002	-
1000 long	215 x 92 x 91	360	56	-	1003	-
1000 short	146 x 122 x 104	360	57	-	1004	-
1000 high-speed	146 x 122 x 117	420	85	-	1073	-
1500	201 x 122 x 104	360	82	-	1009	-
1600 high-speed	166 x 150 x 138	420	117	-	1076*	-
2000 short	190 x 143 x 138	420	100	-	1824	-
2000 short, with recess	190 x 143 x 138	420	99	-	1065*	-
2000 short, high-speed with recess	190 x 143 x 138	420	126	-	1077	-
2000 long	266 x 122 x 104	360	105	1010	-	1012*
3000	276 x 143 x 138	420	130	1059	-	1060*
4000	366 x 143 x 138	420	173	1061	-	1062*
5000	366 x 154 x 152	420	218	1063	-	1064*
6000	343 x 179 x 170	420	280	5101	-	5102*
7000	400 x 179 x 170	420	401	1025	-	1026*
8500	430 x 188 x 182	420	470	6674	-	6675*
10000	500 x 188 x 182	420	538	3083	-	3120*

Accessories for oval tanks (with 3-hole flange) see page 202-204

Pasture watering tanks, impermeable to light and coloured grey to prevent algae growth.

Capacity L	Dimensions cm (I x w x h)	Dome	Weight	Or	der no. / Do	me
	length incl. runners	dia. mm	approx. kg	front	centre	rear*
600	137 x 92 x 91	360	40	-	1798	-
750	165 x 92 x 91	360	45	-	1049	-
1000	215 x 92 x 91	360	56	-	1050	-
1500	201 x 122 x 104	360	82	-	1051	-
2000 long	266 x 122 x 104	360	105	1052	-	1614*
3000	276 x 143 x 138	420	130	2250	-	2219*
4000	366 x 143 x 138	420	173	2462	-	2218*
5000	366 x 154 x 152	420	218	2463	-	1848*
6000	343 x 179 x 170	420	280	5319	-	5654*
7000	400 x 179 x 170	420	401	1722	-	3179*
8500	430 x 188 x 182	420	470	6681	-	6682*
10000	500 x 188 x 182	420	538	3189	-	3679*

Accessories for pasture water tanks

Description



```
Drinking bowl single
```

Mounting flange for 2 drinking bowls

* Custom version, manufactured to order

	Order no.
for outlet DN75	1056
for outlet DN 100	10771
	5790

Oval and trunk-shaped tanks [PG 8]

Accessories for GRP tanks, oval and trunk-shaped and PE tanks, trunk-shaped

	CITI TAIKS, OVAI AID					,cu	
Description		Thread			Order no.		
				GRP Tanks	Tanks PE Tanks		
			up to 1500 L	1600 L up to 10000 L	13500 L + 15500 L	600 L up to 1000 L *	2000 L *
	Liquid manure spreader, for dia. 80 mr	n -	1300	-	-	-	-
	tanks without a recess dia. 100 m	m -	-	1301	-	-	-
-	Lock plate (blank flange) for 3-hole flange, stainless steel	-	1367	1368	1368	1367	1368
		3⁄4" ET	5954	5955	5955	5954	5955
		1" ET	1384	1385	1385	1384	1385
	Stainlage steel flange plate	1 ¼" ET	1386	1387	1387	1386	1387
	Stainless steel flange plate	1 1/2" ET	1388	1542	1542	1388	1542
	with threaded nipple				1542		
	for 3-hole flange	2" ET	1389	1390	-	1389	1390
		3" ET	5614	1391	-	-	-
		4" ET	-	1392	-	-	-
	Stainless steel flange plate	2" ET	-	-	8177	-	-
	special for 13500 L and 15500 L	3" ET	-	-	8178	-	-
		3⁄4" IT	1316	1317	-	1316	1317
		1" IT	1318	1319	-	1318	1319
	Discharge valve,	1 ¼" IT	1320	1321	-	1320	1321
	nickel-plated brass	1 ½" IT	1322	1323	-	1322	1323
	with stainless steel flange	2" IT	1324	1358	-	1324	1358
						1324	1336
		3" IT	1325	1326	-	-	-
		4" IT	-	6441	-	-	-
her	Discharge valve, nickel-plated brass with s/s fla	2" IT	-	-	8179	-	-
	spec. for 13500 L + 15500 L	3" IT	-	-	8180	-	-
		1" IT	6447	6453	-	6447	6453
	PVC ball valve	1 ½" IT	6449	6455	-	6449	6455
	with stainless steel flange	2" IT	6450	6456	-	6450	6456
		3" IT	6451	6457	-	-	-
	PP ball valve glass fibre reinforced,	ottor	6442	6444	-	6442	6444
	with stainless steel flange, (sha proof version, recommended f	1 1/0" 11	1346	1347	-	1346	1347
	liquid manure tanks)	2" IT	1348	1349	-	1348	1349
	PVC ball valve with stainless steel flange spe	2"IT	-	-	8181	-	-
15	for 13500 L and 15500 L	3"IT	-	-	8182	-	-
	PP ball valve with stainless steel flangespec for 13500 L and 15500 L	ially 2"IT	-	-	8183	-	-
A ST	Valve combination with painted flange plate brass ¾" and brass 2" valve with C-coupling	-	1578	1579	-	1578	1579
	* Installation kit for flange plate on 2000 L PE (additionally required)	tank -	-	-	-	8445	8445

ET = external thread IT = inside thread

Oval and trunk-shaped tanks [PG 8]

Accessories for oval and trunk-shaped tanks

Description			Order no.	
F	C-filling coupling 2" with free flowing path, complete with slider, including installation onto tank (factory made)		5689	
	Filling sieve with intermediate ring for dome dia. 420 mm			
	Filling sieve with intermediate ring for dome dia. 360 mm			
Y	Filling sieve for dome dia. 380 mm (suitable for GFK tanks trunk-shaped 700 L and 1000 L without baffles))	8628	
-2	1 kg repair pack	neutral	1617	
22.	pre-accelerated resin, hardener, glass fibre, brush	grey	5978	
	Polyester adhesive pack (1kg adhesive resin, hardener)		1619	
Description		raw Nominal width	Order no.	

Description		raw material	Nominal width	Order no.
		PVC	20	1743
		GRP	25	1744
		GRP	32	1745
		GRP	40	1746
	DIN flange laminated PN 10/16 comprising pipe socket (laminated to the tank) and loose flange made of PVC	GRP	50	1747
		GRP	65	1748
		GRP	80	1749
		GRP	100	1750
		GRP	125	2885
		GRP	150	2897
		GRP	200	2898

Steel support runners, galvanised for oval tanks, complete

Model		Dimensions mm		Weight	Order no.
for tank size		Section	Length	approx. kg	
	1000 short	U 100 x 50 x 5	1460	28	
	1000 long	U 70 x 50 x 4	2150	25	
	1500	U 100 x 50 x 5	2000	41	
	2000 short	U 100 x 50 x 5	1900	40	surcharge
	2000 long	U 100 x 50 x 5	2660	50	chê
	3000 long	U 100 x 50 x 5 (for order no. 1059, 1060, 2250, 2219)	2755	53	sur
	4000 + 5000	U 100 x 50 x 5	3660	64	
	6000	folded profile 3285 mm	3485	81	

Custom equipment for tanks is made to order

Description			Order no.
	Dome dia. 420 mm with flap lid (installation factory-made) with 2 vent valves	opposing dome dia. 360 mm	
	Dome dia. 420 mm with screwed on flat lid (fitted ex. works)	surcharge in exchange for dome dia. 360 mm	ge
		surcharge in exchange for dome dia. 420 mm with flap lid	surcharge
a data	- <i>m i i i i i i i i i i</i>	for sizes up to 5000 L (2 off)	S
	Baffles for fast vehicles in two tank halves	for sizes 6000 - 7000 L (2 off)	
		for sizes 8500 - 10000 L (4 off)	

Custom versions

Painting tanks in special colours (quote RAL no., colour similar to RAL, only for tanks manufactured in vacuum injection method)

surcharge on request

PE tanks, trunk-shaped [PG 8]

- made of high quality, age-resistant and recyclable polyethylene.
- manufactured in one piece using centrifugal moulding
- space-saving, trunk-shaped design
- low centre of gravity
- standing surface for the 600 L tank matched to Euro-pallet dimensions
- 2,000 L tank can still be fitted transversely on the Unimog flatbed
- 2" internal thread connection with indentation on the end
- 2" internal thread connection options on the long sides (only 2000 L tank)
- option of installing the proven CEMO 3-hole flange onto the 2000 L tank
- 1" internal thread fitting for complete drainage
- 380 mm diametre dome with swash baffle and hinged cover
- vent valves installed on the hinged cover
- handles and lugs for tensioning belts
- integral securing flange for direct mounting on the vehicle flatbed



Dome with swash baffle and hinged cover



Mounting flange



Stainless steel flange plate with threaded nipple (accessory see page 202)





1" internal thread fitting for complete drainage



Double male connector, accessory



PE pasture watering tank, trunk-shaped, impermeable to light and coloured green to prevent algae growth.

PE tanks, trunk-shaped, coloured yellow

Description /	Dimensions cm	Filling hole / without baffles		with baffle	es	
Capacity L	(l x w x h)	Dome dia. mm	Weight approx. kg	Order no.	Weight approx. kg	Order no.
PE tank, yellow, 600 L	120 x 90 x 90	1. 000	35	8273	41	10921
PE tank, yellow, 1000 L	145 x 114 x 100	dia. 380 with flap lid	54	8274	62	10922
PE tank, yellow, 2000 L	190 x 135 x 117	with flap lid	82	8275	93	10923

PE pasture watering tank, trunk-shaped

Impermeable to light and coloured green to prevent algae growth

Description /	Dimensions cm	Filling hole /	without baffles		with baffles	
Capacity L	(l x w x h)	Dome dia. mm	Weight approx. kg	Order no.	Weight approx. kg	Order no.
PE tank, green, 600 L	120 x 90 x 90	dia. 380 with flap lid	35	8884	41	10924
PE tank, green, 1000 L	145 x 114 x 100		54	8885	62	10925
PE tank, green, 2000 L	190 x 135 x 117		82	8381	93	10926

* Accessory installation kit 8445 required (see page 202).

Box-shaped tanks [PG 8]

Box-shaped tanks made from glass fibre reinforced plastic, GRP.

- flat bottom, so no support runners necessary
- stable, all-round gripping rim



Box-shaped tank, GRP

Description / Capacity L	Dimensions cm (l x w x h)	Filling hole / Dome dia. in mm	Weight approx. kg	Order no.
Box-shaped tank, GRP, 200 L	87 x 57 x 57		12	1043
Box-shaped tank, GRP, 400 L	122 x 62 x 72	Filling hole dia. 190 mm with screw cap	19	1045
Box-shaped tank, GRP, 600 L	118 x 70 x 106	with sciew cap	30	7958

Tanks, trunk-shaped made from high-quality, hard-wearing, recyclable polyethylene

- 125 L, 200 L, 450 L or 600 I
- manufactured in one piece using centrifugal moulding
- with S160x7 screw cap
- screw cap with integrated vent and pressure relief
- filling hole internal diameter 140 mm
- integrated recesses for securing with ratchet lashing strap during transport
- integral forklift slots and handles
- integral sloshing baffle with 450 L and 600 L models
- 2-tier stackable, with stacking cams
- ideal dimensions for transportation









Stackable, with stacking cams, integral forklift slots and handles

Box-shaped tank, PE, coloured yellow

Description / Capacity L	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Box-shaped tank, PE, 125 L	80 x 60 x 45	15	10095
Box-shaped tank, PE, 200 L	80 x 60 x 59	16	10096
Box-shaped tank, PE, 450 L	116 x 76 x 73	35	10097
Box-shaped tank, PE, 600 L	116 x 76 x 102	43	10098

Mobile irrigation system BWS 500 [PG 8]



Mobile irrigation system BWS 500 for platform vehicles or stationary operation

Oval tanks:

- made from glass fibre reinforced plastic, GRP
- with baffles above 4000 L
- with extended steel runners
- mounting console for pump installation
- stainless steel flange plate with threaded nipple 2"
- filling dome dia. 360 mm with quick closing lid, capacity up to 1500 l
- filling dome dia. 420 mm with flap lid above 2000 l
- vent valves fitted in the lid
- Example application: Suitable for professional irrigation of large areas and parks and thus the ideal system for municipal or commercial users.



tensioning belts not included in delivery

Example: Foldable hose reel

Tanks, oval with extended steel runners and pump console

Capacity L	Dimensions cm (l x w x h) length incl. runners	Dome dia. mm	Weight approx. kg	Baffle quantity	without hose reel, without pump Order no.
1000	206 x 122 x 104	360	160	-	7135
1500	270 x 122 x 104	360	190	-	7136
2000	247 x 143 x 138	420	205	-	7137
3000	325 x 143 x 138	420	267	-	7468
4000	418 x 143 x 138	420	310	2	7138
5000	418 x 154 x 155	420	356	2	8624
6000	395 x 179 x 170	420	410	2	7139







(5)



Add-on parts: Pumps and hose reels

Dependent on the usage purpose, the equipment tanks can be assembled from the listed components. The equipment tank is supplied completely assembled. Further accessories see page 202 and 204.

Des	cription	suitable for equipment tanks	Order no.
1	Motorized pump 500 L/min with petrol engine Integrated pump, with suction and pressure connections switchable using 3-way valves		10540
2	Pump 100 to 350 L/min (not self-priming), with hydraulic motor including current control valve, permanently installed, with suction pressure connection, adjustable via 3-way valves		10541
3	Electric pump up to 60 L/min, 24 V / 19 A / DC, with switch and plug DIN 9680, 3-pin, IP54, pump permanently installed, with 1" suction and pressure connection, convertible via 3-way valve		10861
4	Swivel-mounted hose reel, vertically adjustable 145 mm (with connection hose to the pump) for 80 m water-hose ¾" or 35 m water hose 1" * (accessory)	all sizes	10542
5	Automatic hose clasp with spring-loaded retraction Painted steel, swivelling (with connecting house to the pump), for 40 m water hose ³ / ₄ " or for 30 m water hose 1" *(accessories)		10862
6	Foldable hose reel for high vehicles (without hose) securely mounted; for 80 m water-hose ¾" or 35 m water hose 1" *		10543

Please note that the pump output can fall sharply depending on the length and cross-sectional area of the hose.

Other pumps on request.

Mobile irrigation system BWS 130-PE [PG 8]

The irrigation system enables:

- Irrigation: circuit with a safety inlet valve before the pump
- Tank can be filled at a standpipe by the 3-way tap system (7 m hose included in scope of delivery)
- Mixing of optional additives possible using closed circuit in the tank (e.g. fertilisers, pesticides)

BWS 130-PE consisting of:

- rails and supporting surface made from galvanised steel (with mounting fixtures)
 motorised pump HONDA 130 L/min *
- pivotable hose reel (without hose) for 80 m water hose ³/₄" or 35 m water hose 1"
- pressure control valve to protect the motorised pump

• supporting surface with forklift slots installed on the side and at the front

Information on GRP tanks with sloshing baffles for higher speeds is available on page 207.









Setup and securing of the fastening belt.

Forklift slots at the side

Motorised pump HONDA 130 L/min



Additional pumps, such as 24 V electric pump with battery, available upon request.

Mobile irrigation system BWS 130-PE

Capacity	Dimensions cm	Filling hole / without baffles with baff		with baffle	S	
1	(l x w x h)	Dome dia. in mm	Weight approx. kg	Order no.	Weight approx. kg	Order no.
600	184 x 90 x 96	dia. 380 with flap lid	135	8684	141	10927
1,000	208 x 114 x 104		160	8685	168	10928
2,000	263 x 135 x 124		212	8686	223	10929

For the description of the trunk-shaped PE tank, see page 206.

Accessories see page 207 and 213. Further pumps on request.

* Please note that the pump output can fall sharply depending on the length and cross-sectional area of the hose.

fastening belt

Polyethylene storage tanks [PG 8]

- <u>Storage tanks and large reservoirs:</u> for above ground installation in the garden or for trade and industry
- can be used as water butts for garden watering
- protect the water against subsequent dirt collection
- manufactured from high-quality polyethylene and are resistant to acids and lyes
- the green containers are opaque algae growth is limited
- can be completed by the addition of custom equipment so they fulfil particular purposes
- can also be installed as a tank battery (except storage tank 5000 L).

• Storage tanks:

food safe (except storage tanks 1000 L and 5000 L) meet the requirements of the German Environment Agency for plastics in drinking water

• Large reservoirs : are primarily for commercial water use, e.g. in market gardens, washing installations and industrial concerns, but are also suited to rain water storage in the domestic market.



Storage tank 750 L with 3 x 2" connections and 1 flange connection

Storage tank 1000 L with large inspection dome, 1 x 2" connection and 1 flange connection



Storage tanks with large inspection dome, 2 x 2" connections and flange connection (1100, 1500 and 2000 L with bands)



Large reservoir with large inspection dome, 1 x 2" connection and 2 flange connections (2000 and 3000 L)



PE storage tanks

Description / C	apacity L	Dimensions cm (l x w x h)	Inspection dome dia. mm	Weight approx. kg	Order no.
750	74 x 74 x 164	140	25	7848	
	1000	124 x 72 x 125	500 x 400	40	7649
Storage	1100*	145 x 72 x 134	400	53	8315
tanks	1500*	152 x 72 x 161	400	66	7650
	2000*	201 x 72 x 164	400	92	7651
	5000*	239 x 135 x 198	140	240	8317
Large	2000	202 x 88 x 165	500 x 400	95	7652
reservoirs	3000	263 x 88 x 165	500 x 400	130	7653

* with bands

Rectangular containers, GRP

Rectangular containers made from glass fibre reinforced plastic, GRP. Wherever transport and storage containers with particularly high strength, low weight and extreme resistance to corrosion are required.

- ✓ sizes 100 L up to 4500 L
- ✓ reinforced handling rim
- ✓ corrosion resistant and extremely light
- ✓ highly stable and rigid
- ✓ stackable
- ✓ UV-resistant
- ✓ smooth inside and outside surfaces for easy cleaning
- various transport equipment, foot and castor support frame with centering lugs may be removable



Integrated forklift pockets for lift truck and forklift (200 L and 400 L).



"Sideways stackable" for spacesaving storage and easy separation. Can be stacked with closed stacking lid (200 L and 400 L).







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.


Rectangular containers

Containers with forklift pockets:

- forklift pockets attached in a leak-tight manner using stainless steel coach bolts
- suitable for rotary forklifts, insertion dimension of forklift pockets 160 x 70 mm

Large container:

- container (grey) from GRP
- for use as a storage and collection container
- chemical-resistant
- can be installed above ground as well as below ground level
- hot dip galvanised external braces for above ground installation
- stainless steel internal braces for installation in the ground









Large container: hot dip galvanised external braces for above ground installation. Stainless steel internal braces for installation in the ground.

Rectangular containers GRP

Capacity L	Internal dimensions	External dimensions	Weight		Order no.	
	cm top (I x w x h)	cm top (I x w x h)	approx. kg	green	grey	blue
100 standard	80 x 50 x 28	88 x 58 x 29	5	1142	7165	7567
200 flat standard	115 x 55 x 36	122 x 62 x 37	8	1143	5671	7568
200 high standard	80 x 49 x 59	88 x 57 x 60	8	1144	1160	7569
300 standard	110 x 62 x 52	118 x 70 x 53	14	1145	1161	7570
300 with forklift pockets	110 x 62 x 52	117 x 69 x 60	26	1204	7178	-
400 standard	111 x 71 x 59	119 x 79 x 60	17	1146	1162	7571
400 with forklift pockets	111 x 71 x 59	119 x 79 x 67	30	1205	7179	-
500 flat standard	144 x 79 x 50	153 x 88 x 50	18	1156	7166	-
550 standard	118 x 83 x 62	132 x 97 x 63	19	1147	1163	7995
550 with forklift pockets	118 x 83 x 62	132 x 97 x 70	34	1206	7180	-
700 standard	118 x 83 x 80	132 x 97 x 81	23	1148	1164	7996
700 with forklift pockets	118 x 83 x 80	132 x 97 x 88	38	1207	2554	-
1100 standard	148 x 105 x 80	162 x 119 x 81	36	1150	1165	7997
1100 with forklift pockets	148 x 105 x 80	162 x 119 x 88	57	1208	2555	-
1500 short standard	168 x 125 x 80	182 x 139 x 81	46	1151	1166	-
1500 with forklift pockets	168 x 125 x 80	182 x 139 x 88	64	1209	2642	-
2200 standard	197 x 134 x 92	211 x 148 x 93	65	1152	1167	-
2200 with forklift pockets	197 x 134 x 92	211 x 148 x 100	90	1210	7181	-
3300 standard	190 x 190 x 103	204 x 204 x 104	129	1153	7168	-
4500 large container, above ground		449 x 111 x 121	150	-	7791	-
4500 large container, below ground		449 x 111 x 121	130	-	7792	-

Suitable steel feet or castor frame see page 219.

Forkliftable rectangular container [PG 8]



Forkliftable rectangular container

- with integratet forklift slots, suitable for lifting trucks and forklifts
- made of particularly impact resistant, damage tolerant resin (see also catalogue page 227)



Can be stacked with closed lid (stacking lid as accessory)





Forkliftable rectangular container GRP



Can be driven under with lifting truck and forklift (stacking lid as accessory)

Capacity L	Internal dimensions cm top (I x w x h)	External dimensions cm top (l x w x h)	Weight approx. kg	Orde green	er no. grey
200 high	80 x 50 x 54	87 x 57 x 64	9.7	10582	10584
400	112 x 72 x 50	119 x 79 x 60	15	10583	10585

Accessory for forkliftable rectangular container

Description		Version for size	External dimensions cm (l x w x h)	Capacity kg	Weight approx. kg	Order no.
		200 high	89 x 60 x 9	200	3	10586
Stacking lid		400	121 x 82 x 11	400	6.3	10587
	Insert plate	200 high	75 x 45 x 3	200	3	10739
		400	107 x 67 x 3	400	5.4	10740

One CEMbox – many benefits

When you store your goods in transit in a CEMbox you can rest assured that they are safe and protected against outside influences. The CEMbox – the small, smart container for goods in transit.



The lid is double-walled, therefore particularly stable and robust, and sealed to provide effective protection against the elements.



Carry-able

With a CEMbox you have everything in hand. Ergonomically moulded carry handles allow for comfortable lifting by one or two people.



The 750 litre CEMbox with a side door offers easy and comfortable access from street level, when mounted on a vehicle.



The CEMbox's robust design allows an impressive load bearing capacity of up to 400 kg. Except for the 150 litre box, moulded forklift recesses make handling easy.



Video CEMbox

CEMbox [PG 8]

CEMbox, **PE**

- grey/orange or yellow box made of high-grade PE
- for transport and storage of tools and small parts
- ideal length for shovels
- side door optional (750 L box)
- optimal dimensions for flatbed vehicles
- stackable, with locating lugs and recesses
- forklift pockets (except 150 L box)
- integrated handles
- cover stop

- 3 toggle closures (750 L box) or 2 toggle closures (150 L, 250 L or 400 L box) made of stainless steel
 lockable by means of padlock
- \bullet space for label pocket (150 L and 400 L box)
- water ingress prevented by integral seal around entire lid
- partition that fits in the grooves of the toolbox as an accessory
- insert tray accessory for delicate tools (e.g. water level)

CEMbox suitable for use with cranes:

• reinforced design with crane lugs and stable crane frame (250 L, 400 L and 750 L box)





CEMbox 750 L, anthracite



Crane framework with pivoting crane eyelets (with CEMbox 750 L for use with cranes)



CEMbox 400 L and 750 L for use with cranes



CEMbox 250 L, yellow (other special colors available for orders of 50 units or more)

CEMbox

Description	Capacity L	External dimensions cm (I x w x h)	Internal dimensions cm (I x w x h)	Weight approx. kg	Individual load-bearing capacity in kg	Load-bearing capacity for double stacking in kg	Order no.
CEMbox 150, grey/orange	150	80 x 60 x 53	66 x 45 x 38	14	100	100	10330
CEMbox 150, yellow	150	80 x 60 x 53	66 x 45 x 38	14	100	100	10132
CEMbox Trolley 150, grey/orange	150	80 x 60 x 53	66 x 45 x 38	15	100	100	10331
CEMbox Trolley 150, yellow	150	80 x 60 x 53	66 x 45 x 38	15	100	100	10133
CEMbox 250, grey/orange	250	120 x 60 x 54	107 x 45 x 38	18	200	100	10332
CEMbox 250, yellow	250	120 x 60 x 54	107 x 45 x 38	18	200	100	8615
CEMbox 250, for use with cranes, grey/orange	250	124 x 60 x 57	107 x 45 x 38	33	100	100	10333
CEMbox 400, grey/orange	400	120 x 79 x 75	107 x 65 x 58	30	250	150	10334
CEMbox 400, for use with cranes, grey/orange	400	120 x 81 x 75		60		NEW	10961
CEMbox 750, anthracite	750	170 x 84 x 80	156 x 70 x 63	42	400	200	8490
CEMbox 750, grey/orange	750	170 x 84 x 80	156 x 70 x 63	42	400	200	10335
CEMbox 750, grey, /orange with side door 50 x 45 cm (w x h)	750	170 x 84 x 80	154 x 70 x 63	43	400	200	10336
CEMbox 750, for use with cranes, grey/orange	750	170 x 86 x 80	156 x 70 x 63	75	200	200	10337
CEMbox 750, for use with cranes, grey/orange, with side door 50 x 45 cm (w x h) $$	750	170 x 86 x 80	154 x 70 x 63	76	200	200	10338

Available in additional colors for orders of 50 units or more.

Vehicle storage box [PG 8]

- container grey made of polyethylen (PE)
- for safe transport and storage of tools and building materials
- lockable
- stackable inside one another
- can be handled using a forklift or crane grab
- Example application: construction industry, landscaping and handcraft





Easy loading and unloading with recesses for lifting forks



Secure storage of tools and building materials



Scissors opening mechanism for lid



Lockable lid



Platform fastening (reinforcement)



Platform fastening

Vehicle storage box

5			
Description / Capacity L	Dimensions in cm (I x w x h)	Weight approx. kg	Order no.
Vehicle storage box 750	184 x 74 x 94	40	7841
Accessory for vehicle storage box			
Description			Order no.
Platform fastening kit (for fastening on 2 corners)			7883

Logistics box [PG 8]

- optimal storage and transport system
- PE plastic high density (HDPE)
- extremely acid-resistant
- stackable and safe for transport
- food safe

Food-safe design:

Container with foodstuff symbol as per Regulation (EU) No. 10/2011







Logistics box 300 L

Logistics box

Description / Capacity L	External dimensions cm (I x w x h)	Load-bearing capacity, individual, kg		Load-bearing capacity complete, stacked, kg		Order no.
Logistics box 300, with 4 feet	100 x 63.5 x 64.5	150	5	750	14.3	10158
Logistics box 525, with 2 runners	120 x 80 x 80	350	8	2800	32	8613
Logistics box 610, with 3 runners	120 x 100 x 76	450	8	3600	41	8085

Accessory for logistics box

Description	External dimensions cm (I x w x h)	Weight approx. kg	Order no.
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

Go-Box [PG 8]

- for grit, sand, binding agent, etc.
- for indoor and outdoor use and storage
- sturdy rubber wheels
- angled lid so that water runs off
- user-friendly, ergonomic handle side sections for pushing and central section for pulling
- 75 L capacity
- lid locks in a vertical position for loading / unloading
- easy to handle thanks to sophisticated balance
- easy to clean and stackable for cost-effective transportation
- rubber seal and locking levers for optimal weather resistance (can be locked with a padlock, not included, see p. 219)
- made from chemical-resistant PE 100 % recyclable
- good impact resistance down to -40 °C

Go-Box 75

Description /	Capacity L
Go-Box 75	





Dimensions in cm (h x w x d) 107 x 59 x 43.5 Weight approx. kg 11

Order no. 10156

Technical specifications subject to change.

Winter service and spreaders



CEMO GRP Grit container

There are now plenty of different companies offering grit containers. But none of them gets even close to CEMO quality. Ensuring that your grit is well protected in all weathers and ready for action.

- ✓ Material: GRP durable, tough, rustproof, resistant to salt
- ✓ 20-year service life, 10-year warranty (!)
- Impact-resistant, able to withstand a blow from a hammer, and inherently stable
- ✓ Temperature- and UV-resistant

Smooth surfaces

Less dirt thanks to smooth external walls (dirt not allowed to build up); no residues left

to smooth internal walls in the container.

behind after draining and easy to clean thanks

- Protected against water and humidity
- ✓ Well-thought-out design for ease of use



Clean closing

Long-lasting, secure closure thanks to the moulded container edge and overhang which prevent the ingress of dirty water and moisture.



"Sideways stackable" for space-saving storage and easy separation.



Extremely impact-resistant and inherently stable material ("hammer test"), plus increased wall strength (for 550 L and 700 L containers).







Easy to open from outside and inside with a self-locking stainlesssteel spring closure. Lockable with an additional padlock, which also make it childproof.



Tool-free removal

The lid can be removed without tools. It can be locked simply using removable retaining straps.

GRP Grit container Plus3 [PG 8]

As the market leader for grit containers, we receive extensive feedback and a large number of requests. For many local authorities, simple use and handling are paramount. The ability to move with a forklift and stack the containers makes it so much easier to move grit containers in and out of storage and saves time and space. In addition, the toolless assembly of the very stable lid has been significantly simplified.

The new grit container generation **Plus3** adds three further plus points to the benefits of long-life GRP grit containers in terms of handling and assembly.

Grit containers Plus3

The additional benefits of the **Plus3** container:

- forkliftable (optional)
- can be stacked with closed lid (optionally lockable with padlock, for accessories see page 236)
- lid can be removed without using tools
- with support bar for lid (400 L)
- strong and robust lid shape



Can be forkliftable with lifting truck and forklift.

GRP Grit container Plus3

400 L with chute, can be forkliftable	



Can be stacked with closed lid.

Capacity L	Dimensions in cm (I x w x h)	with or without chute	with or without forklift slots	Weight approx. kg	Container grey lid orange Order no.	Container green lid orange Order no.
100	89 x 60 x 34	without	without	8,3	10564	10573
200	89 x 60 x 64	without	without	11,3	10565	10574
200	89 x 60 x 64	with	without	12,5	10566	10575
200	89 x 60 x 69	without	with	12,8	10567	10576
200	89 x 60 x 69	with	with	14	10568	10577
400	121 x 82 x 67	without	without	20,4	10569	10578
400	121 x 82 x 67	with	without	21,6	10570	10579
400	121 x 82 x 68	without	with	21,4	10571	10580
400	121 x 82 x 68	with	with	22,6	10572	10581

Accessory for underride rectangular container

Capacity of the stacking lid see page 220.

Designation	Version for size	External dimensions cm (I x w x h)	Capacity kg	Weight approx. kg	Order no.
	200	75 x 45 x 3	200	3	10739
Insert plate	400	107 x 67 x 3	400	5.4	10740

GRP Grit container [PG 8]

GRP Grit container "V" with anti-vandalism lid

particularly impact resistant and

- form-retaining material ("hammer test") • increased wall thickness
- (for container sizes 400, 550 and 700 L)





GRP Grit container "V" with anti-vandalism lid

Capacity L	Dimensions in cm (I x w x h)	with or without chute	Weight approx. kg	Container grey, lid orange Order no.	Container green, lid orange Order no.
550	134 x 99 x 78	without	27	10896	10900
550	134 X 99 X 70	with	29	10897	10901
700	124 x 00 x 06	without	31	10898	10902
700	700 134 x 99 x 96	with	33	10899	10903

Anti-vandalism lid for upgrading existing GRP grit containers with roof-shaped lid

For container size	Order no.
400	8087
550 and 700	10904

Accessories for GRP Grit container [PG 8]

Designation		Order no.
Padlock, galvanised		1490
Scissors opening mechanism, complete installation kit, for containers of 700 litres capacity. Note: lid can only be dismounted from container with tools. Excluded grit container Plus3.		3212
Sticker "Salt/Grit"	5 pcs	8625 GB
(further language options upon request)	10 pcs	8626 GB

GRP Grit container

- "Compact" [PG 8]
- slim, tall shape for minimal footprint
- appealing design
- can be installed anywhere
- lockable lid with spring closure included

GRP Grit container "Compact"

Capacity L	Dimensions in cm (w x d x h)	Weight approx. kg	Order no.
130	72 x 45 x 58	10.5	7630



Go-Box [PG 8]

- for grit, sand, binding agent, etc.
- for indoor and outdoor use and storage
- sturdy rubber wheels
- lid locks in a vertical position for loading / unloading
- detailed description see catalogue page 228

Go-Box 75

Designation/ Capacity L	Dimensions in cm (h x w x d)	Weight approx. kg	Order no.
Go-Box 75	107 x 59 x 43.5	11	10156



GRP snow shovel [PG 8]



GRP snow shovel

- high-quality GRP snow shovel
- solid aluminum edge (replaceable)
- absolutely resistant to corrosion
- smooth surface prevents adhesion of snow
- high, strong raised sides
- double-arced shaft with D handle for ergonomic and efficient use



Easy-to-grip oval shaft



Solid aluminum edge





Designation	Length with shaft cm	Dimensions of shovel cm (w x h)	Order no.
GRP snow shovel	161	56 x 36	10064

Grit spreaders [PG 8]

Spreader with composite frame The use of new composite plastics enables the integration of many functions into a single component.

- for use in domestic and commercial areas
- durable design

- · rugged transmission
- retractable support foot
- spreading quantity adjustable with fixed stop
- supplied in prefabricated assemblies

Spreader SW 20-C and SW 35-C

- for use in tough winter conditions
- for different spreading materials
- · with robust agitator finger
- adjustable stainless steel dual handle with three height settings
- · with adjustable spreading width limiter

Spreader SW 20-light

- · for seeds and fertiliser
- adjustable galvanised steel dual
- handle with three height settings • plastic wheels





Filling strainer





Dual handle, three height settings



Spreader with composite frame and PE container

Designation	Capacity L	Spreading width m	Spread. steps	Weight approx. kg	Order no.
SW 20-light for medium spreading areas	20	1 up to 4	6	9	10718
SW 20-C for medium spreading areas	20	1 up to 4	6	10	10642
SW 35-C for medium spreading areas	35	1 up to 4	6	11	10643

Accessories for spreader with composite frame and PE container

Cover for SW 20-C and SW 20-light

Spreading width limiter for SW 20-light

Cover for SW 35-C



Eccentric agitator for poorly-flowing salt and grit for SW 20-light, SW 20-C, SW 35-C and SW 50-E



Technical specifications subject to change.

Order no.

7884

7885

10720

10998

60 L Spray caddy [PG 8]

60 L spray caddy

for liquid de-icing products

- electric pump 12 V, approx. 6 l/min
- LiFePO₄ battery with charger
- flow-activated pump
- 8 m spiral hose
- spray lance with flat jet nozzle
- suitable for commercially available liquid, water-based de-icing products

60 L Spray caddy



Spiral hose, electric pump and battery with charger



Designation	Capacity I	Dimensions in cm (I x w x h)	Weight approx. kg	Order no.
60 L Spray caddy	60	90 x 52 x 37	15	10863

Grit spreader [PG 8]

Grit spreader SW 130 with PE hopper

- for commercial and domestic use
- suitable for different gritting materials and spreading widths
- quick and easy assembly
- robust construction



Rugged transmission with aluminum housing



Disengageable gear



Spreader SW 130

Accessory remote control

Designation	Capacity I	Spreading width in m	Spreading steps	Weight approx. kg	Order no.
SW 130 for large spreading areas, incl. gearing more robust with aluminum casing, yellow plastic hopper with robust flap lid, painted tubular steel frame, pneumatic rubber tyres, spreading regulator. Supplied as pre-assembled modules. Drawbar parallel adjustable for height included. Gearing disengageable. Max. speed 6 km/h.	130	up to 5	10	39	10063

Accessories for spreaders

Designation				Order no.
	Spreading width limiter for SW 130			7291
	Drawbar with ball coupling for SW 130			8621
Designation		Length from operating lever m	Weight approx. kg	Order no.
Remote control for spreader	SW 130	2.0	3.0	8289

Lever mounts on towing vehicle to enable adjustment of spreading volume remotely.

Technical specifications subject to change.

Mounted spreaders [PG 8]

Mounted spreader SA 130 with PE hopper

- for large spreading areas
- yellow plastic hopper with rigid flap lid
- painted tubular steel frame
- with three point attachment (A=410/526 mm, B=dia. 22 mm)
- driven using a power take-off shaft (supplied)

Mounted spreader SA 130



Designation	Capacity L	Spreading width in m	Spreading steps	Weight approx. kg	Order no.
SA 130 for large spreading areas	130	up to 5	10	35	8173

Accessories for mounted spreader SA 130

Designation		Order no.
	Spreading width limiter for SA 130	7291
	Remote control for mounted spreader SA 130, length of bowden cable: 2.0 m, weight: 3.0 kg	8289



DesignationCapacity LSpreading width in mSpreading stepsWeight approx. kgOrder no.SA 260 for large spreading areas260up to 5105410278

Accessories for mounted spreader SA 260

Designation		Order no.
	Spreading width limiter for SA 260	10279
	Cover for SA 260	10280
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