

CEMO

for safe storage



Catalogue 2014/2015

valid as of 01.04.2014

Filling stations, tank systems

Pumps

Environmental protection

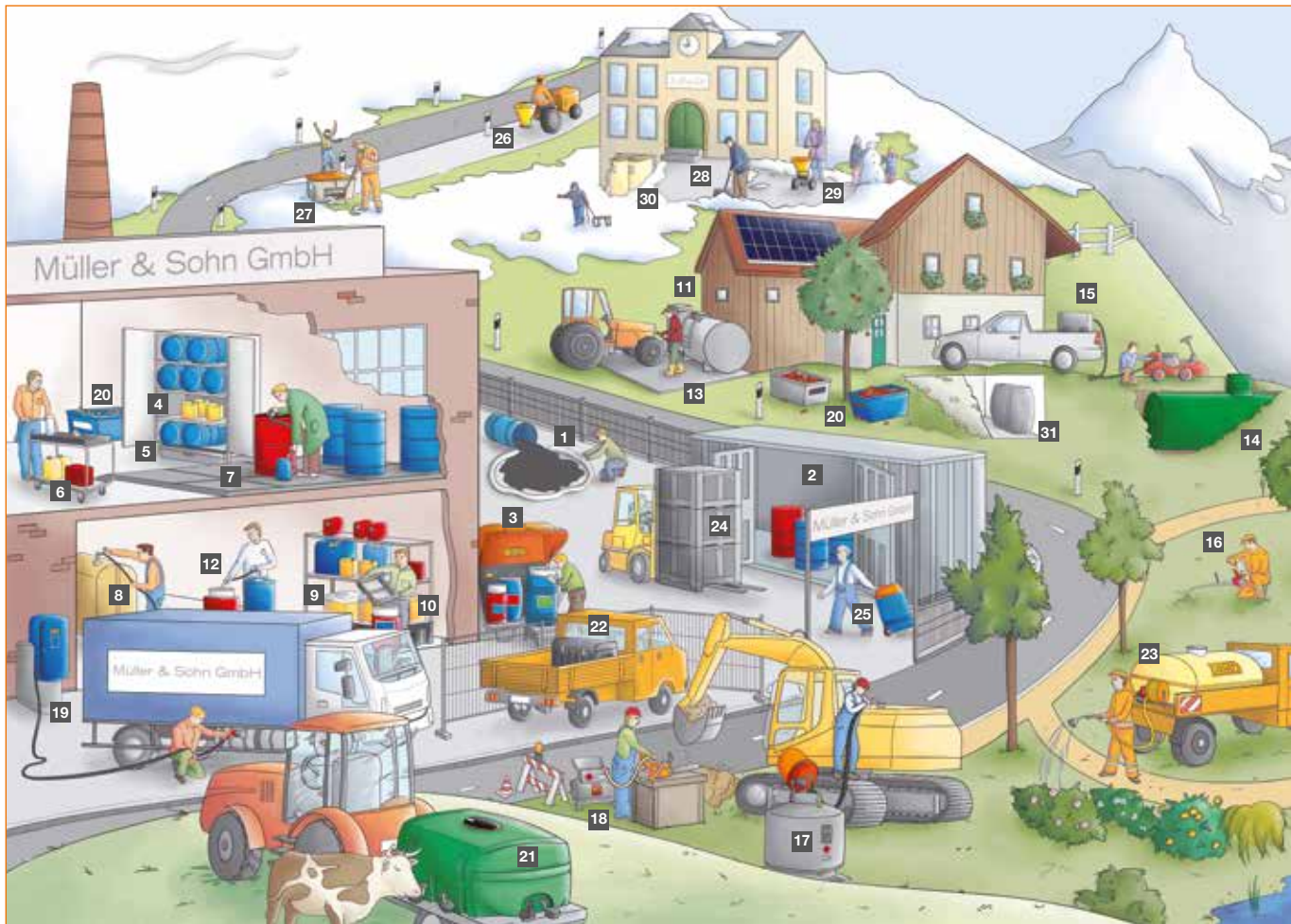
Transport and storage
containers

Winter service

Spreaders

Heating oil storage /
Heat storage tanks

CEMO World



Environmental protection

- 1** Cemsorb binding agents
- 2** Room containers/storage for dangerous substances/ fire-protected storage
- 3** Hazardous substance collection station
- 4** Environmental cabinet
- 5** Collecting tray
- 6** Workshop trolley
- 7** Surface protection system
- 8** Lubricant tank
- 9** Shelving rack for hazardous substances/tanks
- 10** Filling funnel/collection bowl

Pumps

- 11** Fuel dispenser
- 12** Hand pump

Filling stations, Tanks systems

- 13** Steel diesel tank/ fuel dispensing area
- 14** Underground tank for diesel/ heating oil
- 15** DT-Mobile Easy
- 16** Canister
- 17** DT-Mobile
- 18** KS-Mobile Easy
- 19** AdBlue® filling station

Transport- / storage containers

- 20** Rectangular container
- 21** Livestock tank
- 22** CEMbox
- 23** Mobile watering system
- 24** Logistics box
- 25** Mobile box

Winter service

- 26** Fertiliser spreader
- 27** Grit containers/ Anti-vandalism cover
- 28** Snow shovel
- 29** Spreaders

Heat and energy storage

- 30** GRP heating oil tank
- 31** GRP heat storage tank

The quality of CEMO



Materials testing machine for the testing of production samples



Wall thickness test on a PE tank



External quality inspections, e. g. by the TÜV

CEMO quality comes into being with the idea for a product

“Safe storage” also requires safe products. Bringing a safe product to series maturity involves far more than just manufacturing any kind of container in the simplest and most cost-effective way possible. Legal requirements must be observed during the design phase, because the safe storage of hazardous substances is ultimately about protecting our livelihood.

When it comes to production, we therefore rely on modern production processes with approved materials and high safety reserves. Regular quality inspections and tests, including by external, independent institutions, guarantee you high levels of safety over many years.

Our quality promise

- ✓ Warranty of up to 35 years, depending on the product
- ✓ Half-yearly monitoring by independent experts in the case of approved products
- ✓ Two-yearly check of the certification under QuB by an independent tester
- ✓ Each tool change is followed by a quality inspection and comparison against target data
- ✓ Approvals of the main institutions, such as BAM, DIBt etc.
- ✓ Material quality and strength with high safety reserves
- ✓ Trained product advice
- ✓ Comprehensive sales and service network

Always nearby: your CEMO sales reps

Postcode 01-04, 06, 08, 09, 15

Sachsen / Brandenburg South



Eugen Rieschick
Hauptstr. 17
OT Dahlenberg
D-04880 Trossin
phone / fax 034243 26290
mobile 0171 8936721
e-mail: erieschick@cemo.de

Postcode 06, 07, 36-38, 96, 98, 99

Thüringen / Sachsen-Anhalt South

Wollweber & Ludwig GbR
Birkenstraße 15, D-99510 Oberreißen
phone 036373 99240
fax 036373 999957



Gerd Ludwig
mobile 0174 3268686
e-mail: gludwig@cemo.de



Andreas Wollweber
mobile 0172 3632926
e-mail: awollweber@cemo.de

Postcode 10-19, 29, 38, 39

Berlin / Brandenburg / Sachsen-Anhalt North / Mecklenburg-Vorpommern

RHS Ruppiner Handels- und Service GmbH
Schönberger Dorfstr. 61, D-16835 Lindow
phone 033933 70256 and 70686
fax 033933 72180
e-mail: rhs@cemo.de



Mr. Blumenstein
mobile 0152 29931427



Mr. Rau
mobile 0172 1564389

Postcode 19-28, 48, 49

Hamburg / Schleswig-Holstein / Bremen / Mecklenburg West / Niedersachsen Nord + West



Stefan Wohlers
Löhnsweg 2
D-21641 Apensen
phone 04167 921363
fax 04167 6906700
mobile 0172 7476049
e-mail: swohlers@cemo.de

Postcode 29-34, 37, 38

Niedersachsen South + East / Ostwestfalen



Torsten Lüschen
Am Hohen Brink
D-30851 Langenhagen
phone / fax 0511 739383
mobile 0172 7259637
e-mail: tlueschen@cemo.de

Postcode 34-37, 55, 60-69, 76

Hessen / Rheinhessen / Rheingau / Pfalz / Mannheim / Heidelberg



Andreas Strom
Manderscheider Str. 33A
D-60529 Frankfurt
mobile 0173 2008901
e-mail: astrom@cemo.de

Postcode 35, 42, 51, 56-59

Westfalen South / Gießen



Armin Müller
Auf dem Hundsborn 10
D-57234 Wilnsdorf
phone 02739 2551
fax 02739 2808
mobile 0171 8339861
e-mail: amueller@cemo.de

Postcode 40-42, 44-47, 50-57, 59, 66

Rheinland / Nordrhein / Saarland



Markus Hermann
In den Gärten 5
D-65558 Hirschberg
phone 06439 9029362
fax 06439 9029363
mobile 0172 7703489
e-mail: mhermann@cemo.de

Postcode 45-46, 48, 49

Westfalen North + Middle / Region Osnabrück / Emsland South



Clemens Plotz
Königskämpe 3
D-48565 Steinfurt
phone 02552 610134
fax 02552 6389867
mobile 0177 2857316
e-mail: cplotz@cemo.de

Postcode 63, 80-85, 866-867, 90-977

Bavaria

Dolberg GmbH & Co. KG
Burghanner Weg 4
D-90518 Altdorf b. Nürnberg
phone 09187 936630
fax 09187 9366310
e-mail: dolberg@cemo.de



Mr. Schmidt
mobile 0151 22976208



Mr. Kischke
mobile 0170 4876646

Postcode 70-77, 79, 978-979

Baden-Württemberg North



Walter Lenz
Blütenstr. 7
D-71384 Weinstadt
fax +49 7151 997822
mobile 0172 7479263
e-mail: wlenz@cemo.de

Postcode 78, 86-89

Baden-Württemberg South / Bavaria South



Thomas Mader
Lerchenstr. 4
D-89264 Weißenhorn
mobile 0172 1403797
e-mail: tmader@cemo.de

Austria



Alexander Ohler
Fichtengasse 7
A-4840 Vöcklabruck
phone +43 664 2275544
fax +43 7672 22341
e-mail: aohler@cemo.de

Our organisation, our philosophy

Technical consultancy



Mr. Edgar Schreiter
phone +49 7151 9636-27
Municipalities, building
industry and agriculture



Mr. Markus Rack
phone +49 7151 9636-25
Industry,
commerce



Mr. Martin Daudel
phone +49 7151 9636-61
Pump technology,
heat/energy storage

Today, customers can contact our centre of competence in Weinstadt for any problems they may have – for a fast response to market requirements, for short development times and for optimal product coordination to the needs of individual customers. Both in-house and in our local dealerships, competent contacts are always on hand to advise you and answer any questions.

Sales, order processing, delivery queries



Mrs. Angelika Wagner
phone +49 7151 9636-16



Mrs. Renate Schmid
phone +49 7151 9636-66



Mrs. Monika Kaiser
phone +49 7151 9636-21



Mrs. Christine Heubach
phone +49 7151 9636-22



Mrs. Rebekka Karle
phone +49 7151 9636-0

Export



Mr. Antonio Samarzija
Area Sales Manager
phone +49 7151 9636-28
Export Scandinavia, Baltic
States, East- /South-East-
Europe, Czech Rep., Denmark



Mr. Karsten Pflieger
Area Sales Manager
phone +49 7151 9636-30
Export Belgium, Luxembourg,
Netherlands, Austria,
Australia, USA



Mr. Daniel Bubeck
Area Sales Manager
phone +49 7151 9636-40
Export Switzerland,
Italy, Spain, Portugal,
South America



Mrs. Edeltraud Aucher
phone +49 7151 9636-29
Order processing Export



Mrs. Renate Traub
phone +49 7151 9636-72
Order processing Export



Mrs. Nora Offenhäuser
phone +49 7151 9636-53
Order processing Export



Mrs. Anja Hoiß
phone +49 7151 9636-36
Order processing Export

Our new products for 2014

NEW

CUBE-Tank

see pages 6-9, 66-67, 152-153

CUBE-Tank for diesel, AdBlue® and lubricants

- Complete stations, Basic and Premium
- Capacity 1000 l, 1500 l and 2500 l
- up to 5000 l capacity as tank systems
- with General Construction Inspection Approval
- with flap lid, approved for installation outdoors
- fully assembled



DT-Mobile Easy

see page 40-42

DT-Mobile Easy 460l

various variants:

- with/without flap lid
- with 12 V or 24 V electric pump
- with automatic delivery nozzle or without pump with quick-coupling

DT-Mobile Easy with Li-ion battery system

- for cable-free and independent mobile fuelling
- in sizes 200 l, 430 l, 460 l and 600 l



Double canister "Profi"

see page 58



- safety filling system, petrol + oil
- 6 l / 3 l, natural
- with saddlebag

Fuel Trolley Ex0

see page 59

Ex0
explosion-suppressing insert

- with explosion-suppressing insert
- container made from electrically conductive, highly cross-linked polyethylene (in 95 l trolley)




KS-Mobile Easy

see page 60

Ex0
explosion-suppressing insert

NEW: with ADR approval

- approved for transport under ADR
- approval no.: D/BAM 14341/31H2
- 120 l or 190 l, single-walled



AdBlue®-Trolley for AUS32

see page 79

- 100 l container made from tested polyethylene
- self-priming electric membrane pump, 12 V, approx. 30 l/min




Drum and IBC pumps

see page 106

Complete pump sets for liquid chemicals

- motor, 230 VAC
- sealless pump unit with stable driveshaft without guide tube
- ex-proof version available
- incl. drum adapter and wall bracket

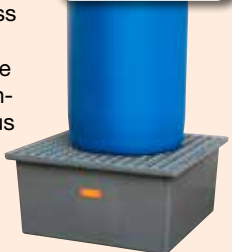


GFK sump pallets RC

NEW: Type RC

see page 114

- without approval
- made from glass fibre reinforced plastic recycle
- suitable for non-water hazardous substances or where no approval is required




IBC sump pallets GFK

NEW: with support frame

see page 128

- extremely favourable price-performance ratio
- support frame in galvanised steel or stainless steel



CEMbox grey/orange

NEW: color grey/orange

see page 204

- high-quality PE containers
- for transporting and storing tools and small parts
- capacity 150 l, 250 l, 400 l, 750 l



Electric spreader

see page 230

Type ST-E 120

- capacity 120 l
- 12 V operation
- freely adjustable rotational speed
- spreading range up to 8 m
- frame made completely from stainless steel



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 Filling stations,
tank systems,

Pumps

 Environmental
protection

 Transport and
storage containers

 Winterservice /
Spreaders

 Heating oil storage
Heat storage tanks



Tank systems for diesel





Stationary tank systems for diesel (page 4 - 32)



CUBE-Tank

- 1500 - 5000 l
- HDPE single-wall tank with integrated bund
- installation in buildings and outside
- fully assembled
- does not require a bund, even in water-protected areas



UNI-Tank

- 400 - 4500 l
- HDPE single-wall tank with integrated galvanized sheet steel bund
- indoor installation
- does not require a bund, even in water-protected areas



GT-Tank

- 1000 - 10000 l
- single-wall, GRP safety tank
- installation in buildings and outside without bund (outside of water-protected areas)
- single tank or battery system



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 optical leakage detection



PE/GRP tank station

- 5000 l
- fully assembled
- pump 70 l/min
- with GRP collection tray
- in- and outdoor installation



Steel tank

- 4000 - 30000 l
- above ground tank system, steel double-wall



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

Stationary tank systems for diesel



Basics for diesel filling stations for own consumption, requirements

The filling station for personal consumption is intended for fueling a company's own vehicles. It is operated by the operator or persons the operator employs. It consists of a fuel dispensing area and an above-ground storage container. A summary of the conditions to be met is provided below:

The requirements for filling stations for diesel fuel for own consumption are defined on a country-specific basis, in most cases by the respective laws regarding hydraulic systems VAwS. They hardly differ in most points.

Due to federalism reform, the state laws regulating hydraulic systems (VAwS) are to be devolved by federal law during the course of 2014. One ordinance will then regulate how water-hazardous substances (AwSV) are dealt with shall apply across all federal states.

A Storage facility

1. Storage containers with test mark or National Technical Approval, single-walled GRP containers up to 2,000 l without collection tray, but on a subsurface that is impervious to fluid with a 1 cm upstand (e.g. R1 sealing surface elements), also pertains to tank batteries up to 10,000 l; other double-walled containers or in a collection tray.
2. For installation in the open air, the storage tank must be approved for this purpose. This requirement is met by CEMO CUBE tanks, CEMO GRP tanks and double-walled steel tanks (cf. approval); PE tanks in sheet steel jackets only indoors.
3. Collision protection, for example: guard rails, large stones, high threshold or spray protection walls around the compact fuel dispensing area.
4. An automatic discharge valve is required. The exception for electric pumps with simple shut-of valves on tanks up to 1,000 l only still applies in a few federal states.
5. Firmly connected filling connections to tanker couplings (for tanks up to 1,000 l filling with automatically closing delivery nozzle is permissible).
6. Approved limiting value transmitter (except for tank up to 1,000 l and filling as per 5.).
7. A syphon lock on the pump is required.

8. No requirement for specialist assistance up to 10,000 l installation size (exceptions: Bavaria, Bremen, Hamburg and Lower Saxony).
9. Fire protection regulations (distances, ventilation, design of walls and doors, etc.) must be met.

3. For containers up to 2,000 l and diesel consumption up to 5,000 l (up to 40,000 l in Baden-Württemberg) per year, it is possible to dispense with the roof on the separator.
4. Keep binding agents and fire extinguishers ready.

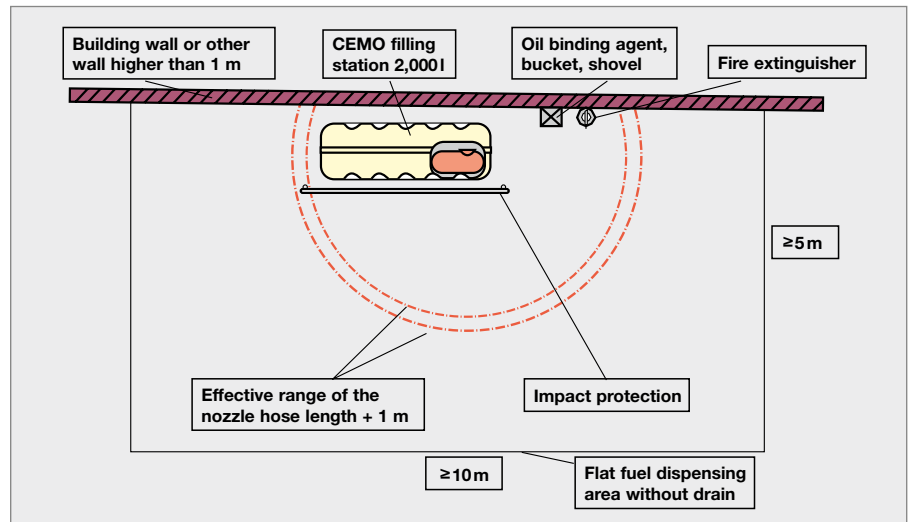
B Fuel dispensing area

1. Size of the fuel dispensing area: effective range of the nozzle, i.e. minimum hose length plus 1 m, limitable by walls or positively guided filler hose, e.g. compact fuel dispensing area.
2. For a container volume up to 10,000 l and diesel consumption up to 40,000 l (up to 100,000 l in Baden-Württemberg) per year:
 - a) no separator is needed if the fuel dispensing area is roofed.
 - b) simplified design of the subsurface, e.g. CEMO fuel dispensing area or concrete B 25 wu.

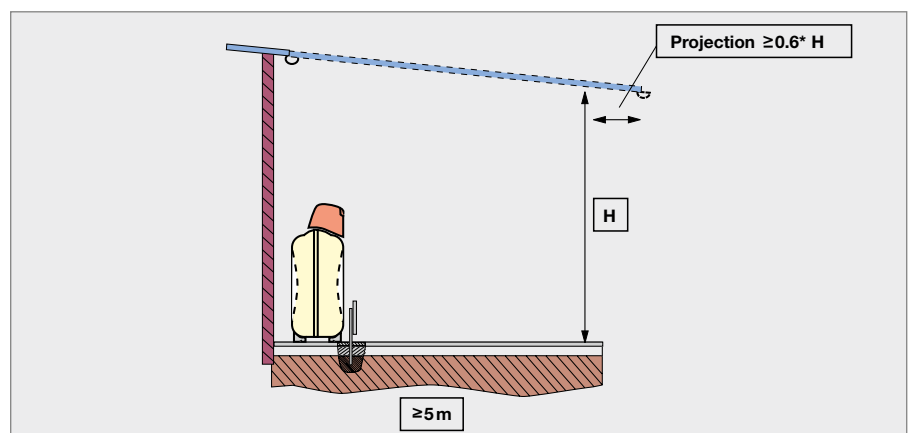
Obligations of the operator:

1. Register filling stations with more than 1,000 l with the water authorities below.
2. Obtain construction approval for filling stations with more than 5,000 l.

Please note that the requirements in the individual federal states may differ from those specified here. We will be happy to advise you for this purpose.



Example: Filling station for own consumption up to 2,000 l, without roof, without separator



Roof for fuel dispensing areas



CEMO CUBE – a new generation. Redefining the Standard³.

NEW

The majority of fuel stations 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 more closely 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.



robust, lockable lid

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.



always tidy

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



double protection

Integral 110 % bund gives added environmental protection.



transport friendly

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



Technical specifications subject to change.



NEW



accessible

Integrated nozzle holder keeps things in place.



open on all sides

An open lid gives you unimpeded access to all components from three sides.



ergonomic

All equipment is positioned so that it is easy to see and access at an optimum level over the bund.



designed-in stability

Two systems ensure stability – moulded hexagonal matrix for integral polymer strength, supported by twin steel bands at the points of greatest load. Reduces movement and increases service life.

Independently tested
Ü-mark shows compliance with German building standards that insist on a minimum 25-year service life, full load bearing capacity and 30 minutes fire resistance. CE-mark shows compliance with BS EN 13341:2005+A1:2011 standard for above-ground polyethylene oil tanks.



CUBE-Dieseltank [PG 4]

NEW

Dispensing station for Diesel, Basic and Premium

- with general construction inspection approval Z-40.21-510
- comprising integral sump
- optical 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)
- 4 m delivery hose
- automatic nozzle with integral nozzle holder
- approved for outdoor installation with hinged lid (outdoor model)
- fully assembled



CUBE-Dieseltank 2,500l Outdoor Premium

CUBE-Dieseltank 1,000l Outdoor



CUBE-Dieseltank 1,500l Outdoor



CUBE-Dieseltank 2,500l Indoor Basic

CUBE-Tank for diesel

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*
	2500	120 x 180 x 174	220	10293***
CUBE-Tank Outdoor Basic, for diesel incl. hinged lid	1000	120 x 80 x 180	150	10294*
	1500	120 x 115 x 180	180	10295*
	2500	120 x 180 x 180	235	10296***
CUBE-Tank Outdoor Premium, for diesel incl. hinged lid, K33 analogue flow meter, cartridge filter with water separator, hose reel with 8 m hose	1000	120 x 80 x 180	170	10297*
	1500	120 x 115 x 180	200	10298*
	2500	120 x 180 x 180	255	10299***
CUBE-Tank Extension Outdoor, for diesel comprises Outdoor Basic package: with connection kit to first tank; excluding pump, hose, nozzle	2500	120 x 180 x 180	225	10300

* with electric pump 56 l/min *** with electric pump 72 l/min

Technical specifications subject to change.



CUBE-Diesel filling station [PG 4]

NEW**CUBE-Diesel filling station, 5,000 l, consisting of:**

- CUBE-Diesel tank 2,500 l Outdoor Premium (10299)
- expansion unit 2500 l Outdoor (10300)



Filling the CUBE-Tank systems is this easy







Delivery line with connection to first tank and switching valves included in scope of delivery of the expansion unit.

CUBE-Diesel filling station 5,000l

Designation	Number CUBE-Diesel tank 2,500l	Delivery rate l/min	External Dimensions cm (w x d x h)	Weight approx. kg	Order No.
CUBE-Diesel filling station 5,000l	2	72	250 x 180 x 180	480	10379

Accessories for CUBE-Dieseltank

Designation	Order No.
 Hose reel with 8 m hose DN19	10375
 K33 meter, 3-digit tank display	10376
 Filter with water separator	10377
 LED instrument lighting with motion sensor and battery	10378



Diesel filling stations with UNI-Tanks [PG 4]

- **Single tank**
- from HDPE with integral galvanized sheet steel bund and foot pallet
- standard accessories: filling level indicator, optical 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



UNI-Tank 1000l



UNI-Tank 1,500 l with electric pump 50 l/min see page 11



UNI-tank 1,000 l, with accessory hood see page 13 and for pump see page 93.



UNI-Tank

Single tank as described above

Capacity l	Dimensions cm (l 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
1000	128 x 77 x 142	Z-40.21-288	89	7380
1500	163 X 77 X 185	Z-40.21-432	151	7881

* National installation laws and conditions are to be observed.



Diesel filling stations with UNI-Tanks [PG 4]

Basic package 1,000 l

comprising:

- UNI-Tank 1,000 l (order no. 7380)
- electric pump 230 V, approx. 30 l/min effective (order no. 8639)
- 4 m connecting cable
- 6 m hose, may be sectioned into suction and screw delivery hose
- suction filter
- automatic delivery nozzle

Accessory:

- K24 digital flow metre (8644) see page 99

Basic package Premium 1,000 l

comprising:

- diesel tank UNI 1,000 l (order no. 7380)
- electric pump 230 V, self-priming, approx. 50 l/min (order no. 7768)
- pump console (order no. 7631)
- automatic delivery nozzle
- 4 m connecting cable
- suction hose with foot valve
- nozzle holder
- hose clamp (order no. 10252)

Accessory:

- K24 digital flow metre (order no. 7779 and 7984) see page 91
- Electric flow metre FMT II/50 (order no. 7574) see page 12

Diesel tank system**with UNI-Tank 1,000l resp. 1,500l**

Tank system, completely configuration comprising:

- UNI-Tank 1000l (7380) resp. 1500l (7881), 1, 2 or 3 tanks
- filling connection with tanker coupling (7390)
- limiting value transmitter (1437),
- removal and ventilation line
- electric pump 50 l/min
- **without assembly**
- electric pump 230 V self-priming with automatic delivery nozzle, delivery nozzle holder, metre, 4 m filling hose and ventilation
- other lengths for filling hose optional, see page 91
- **individual filling of the tanks via fixed tanker connection**, removal and ventilation via common lines



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

Basic packages UNI-Tank

Designation	Order no.
Basic package 1000l	8683
Basic package Premium 1000 l	10239

Diesel tanks systems with UNI-Tank 1,000l resp. 1,500l

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.
1500	1	50	201 x 77 x 202	176	8821
3000	2	50	201 x 157 x 202	330	8822
4500	3	50	201 x 237 x 202	484	8823

Technical specifications subject to change.



Accessories for UNI/MULTI-Tanks [PG 4]

Pumps and accessories specialy adapted for UNI- and MULTI-tank

Accessories for UNI- and MULTI-Tank

Designation	Order no.
 <p>Hand pump, flow rate 25 l/min suitable for UNI-/MULTI-Tank up to 1,000 l</p>	1452
 <p>Electric pump 12 V, approx. 30 l/min effective, 4 m connecting cable with terminals, 6 m hose, delivery nozzle</p>	8640
 <p>Electric pump 12 V, approx. 25 l/min effective, 4 m connecting cable with terminals, 6 m hose, automatic delivery nozzle</p>	8641
 <p>Electric pump 230 V, approx. 35 l/min effective, 4 m connecting cable, 6 m hose, delivery nozzle</p>	8638
 <p>Electric pump 230 V, approx. 30 l/min effective, 4 m connecting cable, 6 m hose, automatic delivery nozzle</p>	8639
 <p>K24 digital flow metre 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</p>	8644
<p>Filling hose for electric pump CENTRI If you require a longer hose than standard, DN 19, price depends on per metre of new length (the standard hose is still included in the package)</p>	7213
 <p>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 console</p>	7573
 <p>Electric flowmetre FMT II/50 for electric pumps 50 l/min</p>	7574
 <p>Extension hose DN 19 *** (with 2 x 1" thread)</p>	2 m 7071
<p>for electric pump approx. 50 l/min</p>	4 m 7072








*** For further hose lengths, see page 91.



Accessories for UNI/MULTI-Tanks [PG 4]

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

Accessories for UNI- and MULTI-Tank

Designation	Order no.
 <p>Fixed tanker coupling suitable for UNI-/MULTI-Tank 750 l, 1,000 l and 1,500 l with tanker coupling, ventilation pipe and limit indicator</p>	7857
 <p>Pump console suitable for UNI-/MULTI-Tank 750 l and ,1,000 l for mounting Cematic pumps</p>	7631
 <p>Tank hood suitable for UNI-/MULTI-Tank 340 l and 1,000 l from polyethylene, also suitable for stacking empty containers on top of each other</p>	8909
 <p>Electric pump, approx. 50 l/min, 230 V (self-priming) with flowmetre, suction line, automatic nozzle, nozzle holder, 4 m filling hose, completely installed on the console and can be hung on the side of the UNI-/MULTI tank</p>	8162
 <p>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</p>	8126
 <p>Hose clamp suitable for UNI-/MULTI-Tank 750 l, 1000 l and 1500 l</p>	10252
 <p>Ultrasonic fill-level indicator, suitable for UNI-/MULTI-Tank, all sizes</p>	10275

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 console





Diesel filling stations with GT-Tanks

Durable GT-tanks

Tank approval no.: Z-40.11-190

**Outdoor
Indoor**

**25 year
tank guarantee!**

outdoor installation possible
lockable pump hood

tanker coupling and
limiting value transmitter

GRP safety tank approved
for use without bund*

transparent tank wall for
easy filling level monitoring

also approved for
biodiesel (biodiesel)

100% corrosion-resistant

tank feet for greater stability

expandable up to
10,000l as a
battery system



* Most German federal states have, at the time of printing, confirmed that this regulation is valid indefinitely. We will be happy to advise you.

Technical specifications subject to change.



GT complete stations [PG 4]

Single tank system

- completely equipped with GRP safety tank
- volume scale
- pump
- accessory package (dome lid, ventilation cap, filling connection, limiting value transmitter)
- **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 16)
- for water-protected areas, see double-wall tanks pages 6-9 and 19-24
- TÜV (German Technical Inspection Authority) inspection needed only once, prior to start of operation



Electric pump 50 l/min

**Tank approval no.: Z-40.11-190**

Single 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 (l 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 (l 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

Comfort package 2,000 l consisting of:

- **diesel tank GT 2,000 l** with dome dia. 145 mm and volume scale (order no. 1450)
- **accessory package** for indoor installation or under canopy with dome-lid, ventilation cap, limit indicator, filling connection, nozzle holder, without hood (order no. 7068)
- **electric pump** approx. 50 l/min, 230 V (self-priming), with foot valve, automatic nozzle, 4 m filling hose (order no. 7069)
- **mechanical metre K 33** for electric pump 50 l/min (order no. 7070)



Comfort package GRP savings: 220 € (10%)

Designation	Order no.
Comfort package GRP 2,000l	7798

* Most German federal states have, at the time of printing, confirmed that this regulation is valid indefinitely. We will be happy to advise you.

Technical specifications subject to change.



Diesel filling stations with GT tanks [PG 4]

Bunds for water-protected areas

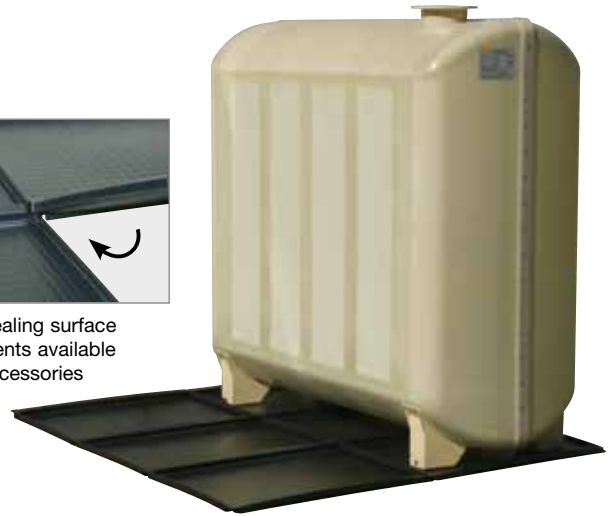
- approved for the CEMO-safety tank
- for upgrading of existing systems
- manufactured from glass-fibre reinforced plastic GRP
- top gripping edge
- steel band around the middle of the bund



Tank approval no.: Z-40.11-190



R1 sealing surface elements available as accessories



Diesel tank without accessories

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

R1 sealing surface element [PG 6]

Designation	Dimensions per element cm (l x w)	Order no.
R1 sealing surface element for 1 x GT 1,000l (1 Stk.)	124 x 78	8714
R1 sealing surface element for GT 1,500 l Package unit 3 pcs. (3 pcs. per GT 1,500)	56 x 78	8712
R1 sealing surface element for GT 2,000 l Package unit 4 pcs. (4 pcs. per GT 2,000)	56 x 78	8713

Bunds for water-protected areas [PG 6]

Suitable for single 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

Accessory packages specially adapted for GT tanks

Designation		Order no.
	Accessory package for installation indoors or under canopy (for a single tank), comprising: dome lid, limit indicator, filling connection, ventilation cap, installation instructions suitable for hand pump, order no. 1452	7066
	Accessory package for outdoor installation (for a single tank), comprising: pump hood with nozzle holder bracket, sash fastener lock, dome lid, limit indicator, filling connection, ventilation cap, installation instructions suitable for electric pump 50 l/min order no. 7069	7067
	Accessory package for installation indoors or under canopy (for a single tank), comprising: dome lid, ventilation cap, limit indicator filling connection, nozzle holder, without hood, installation instructions suitable for electric pump 50 l/min order no. 7069	7068



Diesel filling stations with GT tanks [PG 4]

Pumps and accessories specially adapted for GT tanks

Designation	Order no.	
 <p>Hand pump, flow rate 25 l/min (does not fit under the pump hood)</p>	1452	
 <p>Electric pump approx. 50 l/min 230 V (self-priming), with foot valve, automatic nozzle, 4 m filling hose</p>	7069	
 <p>Mechanical flowmetre K33 for electric pump 50 l/min</p>	7070	
 <p>Electric flowmetre FMT II/50 for electric pump 50 l/min</p>	7298	
 <p>Extension hose DN 19 (with 2 x 1" thread) for electric pump approx. 50 l/min</p>	2 m	7071
	4 m	7072
for further hose lengths, see page 91		
 <p>Dome lid steel with two thread tubes 2", sloping, for filling and ventilation, 2 threaded sleeves 2" and 1", straight, filling connection and ventilation cap.</p>	1451	
Limit indicator	1437	
 <p>Upgrade package pump hood</p>	7326	
 <p>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 paraffin at low temperatures</p>	8126	



Diesel battery systems with GT tanks [PG 4]



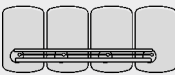
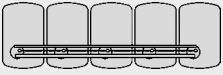
Battery tank system installed in a row

Tank system, complete configuration consisting of:


- GRP safety tank with volume scale
- accessory package (dome lid, filling fitting, connection elbow with tanker coupling, ventilation cap, suction line 1 1/4", limit indicator)
- electric pump approx. 50 l/min, 230 V (self-priming)
- mech. flowmetre
- 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 canopy 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 16)
- for water-protected areas, see double-wall tanks pages 6-9 and 19-24
- TÜV (German Technical Inspection Authority) inspection only once, prior to commissioning



Tank approval no.: Z-40.11-190

	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 tanks 	2,000	148 x 149 x 196	2	-	-	1	1	1
	3,000	198 x 149 x 196	-	2	-	1	1	1
	4,000	248 x 149 x 196	-	-	2	1	1	1
3 tanks 	3,000	148 x 226 x 196	3	-	-	1	2	1
	4,500	198 x 226 x 196	-	3	-	1	2	1
	6,000	248 x 226 x 196	-	-	3	1	2	1
4 tanks 	4,000	148 x 302 x 196	4	-	-	1	3	1
	6,000	198 x 302 x 196	-	4	-	1	3	1
	8,000	248 x 302 x 196	-	-	4	1	3	1
5 tanks 	5,000	148 x 379 x 196	5	-	-	1	4	1
	7,500	198 x 379 x 196	-	5	-	1	4	1
	10,000	248 x 379 x 196	-	-	5	1	4	1

Accessories for diesel battery systems

Designation	Order no.
 Electric pump for battery systems approx. 50 l/min, 230 V (self-priming), mechanical flowmetre, automatic nozzle, 4 m filling hose, installed within a protective housing	7354
Extension hose DN 19 (with 2 x 1" connection)	2 m 7071 4 m 7072
Filling and suction fitting 1 1/4" 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 1 1/4", ventilation cap, limit indicator, installation instructions, overpressure relief valve.	10107
C-B3 expansion unit for 2nd to 5th tanks comprising: Dome lid, filling and ventilation pipe, suction line 1 1/4", installation instructions.	7095
Accessory package for battery systems R 1 1/4" in collection tray	7342

* Most German federal states have, at the time of printing, confirmed that this regulation is valid indefinitely. We will be happy to advise you.



Diesel filling stations with DWT-tanks

Long lifetime DWT-tanks

Tank approval no.: Z-40.11-280

**Outdoor
Indoor**

Double-wall –
thus no bund needed
approved for water-
protected areas!



tanker coupling

outdoor installation possible

limit indicator



GRP safety tank
double-wall

even in water-protected
areas, no bund is required

expandable up to
11,750 l as a battery

translucent tank wall for
easy filling level monitoring

100 % corrosion-resistant

also approved for
biodiesel (RME)



glass fibre
reinforced plastic
GRP
durable - strong
rust-proof

**25 year
tank guarantee!**

All CEMO DWT-tanks are now also
approved without a leak indicator!

Optical leak detector



No leak detector is necessary for installation, even in water-protected areas. The tanks are already equipped with an optical leak detector* which is integrated into the tank wall and requires no maintenance. (Conforms to safety class 3 as per EN 13160)

- integral optical leak detector
- leak indicator optional, but not required (retrofitting possible, conforming to safety class 1)

* protected by patents

Electronic leak detector



CEMO DWT-tanks, double-walled, with electronic leak indicator.

- leak indicator monitors inner and outer walls (safety class 1)
- with the use of a leak indicator, no wall separations are necessary

The leak indicator can be used for all tank sizes.

Technical specifications subject to change.



DWT complete stations [PG 4]

Single tank system

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

Tank approval no.: Z-40.11-280



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



Electric pump 40 l/min

Single tank system 50 l/min

- ① **Electric pump 230 V (self-priming), pump capacity approx. 50 l/min, automatic nozzle, 4 m filling hose, flowmetre K 24 see accessories, page 23**

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

Capacity l	Dimensions cm (l 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

also approved for installation outdoors with pump hood (consisting of GRP safety tank with accessories 7348 und 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

Single tank system 50 l/min

- ② **Electric pump 230 V (self-priming) in protective housing, pump flow rate approx. 50 l/min, mech. flowmetre, 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
2,350	232 x 86 x 211	140	8635*

* see offer Outdoor Safety Package page 21



Diesel filling stations with DWT-tanks [PG 4]

Safety Package DWT 4,700I

Comprising:

- 2 Diesel tanks DWT 2,350I (order no. 7375)
- filling and suction armature with dome lid
- filling and ventilation pipe
- connection elbow with tanker coupling
- suction line 1 1/4"
- ventilation cap
- limit indicator (order no. 7358 and 7359)
- accessory package (order no. 7342)
- electric pump approx. 50 l/min, 230 V (self-priming)
- mechanical flowmetre
- automatic nozzle
- 4 m filling hose
- fitted in protective housing (order no. 7354)

Safety Package savings: 10%

Outdoor Safety Package savings: 10%



Outdoor Safety Package DWT 2,350I

DWT-tank double-walled with optical leak detector.

No leak detector is necessary for installation outdoors, even in water-protected areas!

Comprising:

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

Safety Package DWT 4,700I

Designation	Order no.
Safety Package 4,700 I	7793

Outdoor Safety Package DWT 2,350I

Designation	Weight approx. kg	Order no.
Outdoor Safety Package 2,350 I	140	8635

DWT-tank without accessories with integral optical 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



DWT tank without accessories



Accessories for DWT diesel filling stations [PG 4]



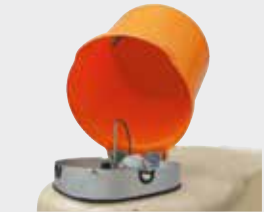



Pumps and accessories especially adapted for DWT diesel filling stations for all tank sizes

Designation	Order no.	
 <p>Accessory package for installation indoors or under cover (for a single tank), comprising: dome lid, ventilation cap, limit-indicator, filling connection, suction hose with foot valve, installation instructions suitable for electric pump 50 l/min in protection housing, order no. 7354</p>	7355	
 <p>Electric pump approx. 50 l/min, 230 V (self-priming), mechanical flowmetre, automatic delivery nozzle, with design approval, 4 m filling hose, fitted in the protective housing</p>	7354	
 <p>Extension hose DN 19 (with 2 x 1" thread) for electric pump approx. 50 l/min</p>	2 m	7071
	4 m	7072
for further hose lengths, see page 91		
 <p>Dome lid (steel) with two thread tubes 2", sloping, for filling and ventilation, 2 threaded sleeves 2" and 1", straight, tanker coupling and ventilation cap</p>	1451	
 <p>Vacuum leakage detection device VL 320-420</p>	7351	
Accessory package for single tank leak detector	7352	
 <p>Signal horn leakage detection device when it is installed in the protective box</p>	5269	
 <p>Floor support, ribbed to enable ventilation of the support surface</p>	for DWT 1,300 and 1,500 l	7730
	for DWT 2,000 and 2,350 l	7731
 <p>Tank heater type TH 370, 230 V, dia. 44 mm for electric heating of EL grade heating oil and diesel fuel</p> <ul style="list-style-type: none"> - power: 0.22 kW - self regulating - prevents separation of paraffin at low temperatures 	8126	



Accessories for DWT diesel filling stations [PG 4]

Pumps and accessories specially adapted for DWT diesel filling stations
only for tank sizes 1,300l/2,000l

Designation	Order no.
 <p>Accessory package for installation indoors or under cover (for a single tank), comprising: dome lid, limit indicator, filling connection, ventilation cap, installation instructions suitable for hand pump, order no. 1452</p>	8520
 <p>Accessory package for installation indoors or under cover (for a single tank), comprising: dome lid, ventilation cap, limit indicator, filling connection, nozzle holder, without hood, installation instructions suitable for electric pump 50 l/min order no. 7349</p>	7117
 <p>Accessory package for installation outdoors (for a single tank), comprising: pump hood with bracket, dome lid, limit indicator, filling connection, ventilation cap, installation instructions suitable for electric pump 50 l/min order no. 7349</p>	7348
 <p>Hand pump, flow rate 25 l/min (does not fit under the pump cover)</p>	1452
 <p>Electric pump Cematic 55, 230 V, approx. 50 l/min applicable for DWT all sizes, approved for installation indoors or under cover. Suction hose 1.9 m with foot valve, automatic nozzle, 4 m filling hose DN 19</p>	8949
 <p>K24 electric flow metre, applicable to order no. 8948 and 8949, complete with installation set and 90° elbow pipe</p>	8950



Diesel battery systems with DWT tanks [PG 4]

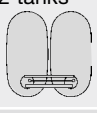
Battery tank system installed in a row

Tank system, complete configuration comprising:

- GRP safety tank, double-wall (from glass fibre-reinforced plastic) with volume scale
- accessory package (dome lid, filling fitting, connection elbow with tanker coupling, ventilation cap, suction line 1 1/4", limit indicator)
- electric pump approx. 50 l/min, 230 V (self-priming)
- mechanical flowmetre
- 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




Tank approval no.: Z-40.11-280

	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
	2,600	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
	3,900	182 x 228 x 188	3	-	-	-	1	2	-	1
	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

* offer „Safety Package“ see page 21 (order no. 7793).

Accessories for diesel battery systems

Designation	Order no.
 <p>Electric pump for battery systems approx. 50 l/min, 230 V (self-priming), mechanical flowmetre, automatic nozzle with design approval, 4 m filling hose, fitted in protective housing</p>	7354
Extension hose 3/4"	2 m, with 1" connection 4 m, with 1" connection
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 1/4", ventilation cap, limit indicator, installation instructions.	7358
C-B3 expansion unit DWT for 2nd to 3rd tanks comprising: Dome lid, filling and ventilation pipe, suction line 1 1/4", installation instructions.	7359
Accessory package for battery systems R 1 1/4" with DWT 2000/2350 (860 mm wide)	7342
Vacuum leakage detection device VL 320-420	7351
Basic package VL 320-420 for connecting two tanks to the vacuum leakage detection device	7356
Expansion package VL 320-420 for connecting an extra tank to the vacuum leakage detection device	7357

Technical specifications subject to change.



PE/GRP complete station 5,000l [PG 4]

"Indoor Basic"

DIBt Approval no. Z-40.21-240

- complete equipment with PE tank, 230 V pump 70 l/min
- pump bracket
- GRP collection tray (for 8708 and 8710) with DIBt approval Z-40.12-471
- metre K 33
- nozzle holder
- hose holder
- filling hose 4 m
- fixed tanker closure
- limit indicator

"Outdoor Basic"

Same equipment as "Indoor Basic", additionally with:

- weatherproof GRP roof
- leak detector

Version with hose reel and tank station with tank data management and access authorization on request.

More advantages:

- can be erected without a crane using a fork-lift truck, front-end loader, excavator or similar

15 year tank guarantee!

② Tank station Indoor, with roof and collection tray



① Tank station Indoor, without roof and collection tray

complete connection, assembled

lockable access flap

space-saving rectangular design

smooth, stable outer surfaces

long-lived, because GRP is weatherproof and UV resistant

ideal safety – all fluid-carrying parts are located within the collection tray

simple access to the control elements



③ Tank station Outdoor with roof



Interior view, flap opened



Pump console with 230 V pump 70 l/min, metre K 33, nozzle holder, hose holder and filling hose 4 m

Diesel complete station and PE/GFK complete station

Designation / Capacity l	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
① Diesel complete station 5,000 l Indoor, without roof and collection tray	265 x 135 x 220	260	8897
② PE/GRP complete station 5,000 l Indoor, without roof, with collection tray 8321	300 x 160 x 220	425	8708
③ PE/GRP complete station 5,000 l Outdoor, with roof	300 x 160 x 225	510	8710

Technical specifications subject to change.



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
- leak detector with liquid control
- limit indicator
- 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.



Accessory level indicator see page 29.



Steel tank with console 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

* with ventilation pipe



Steel tank diesel filling station [PG 4]

Electric pump CUBE 70 K33

- self-priming
- pump flow rate approx. 70l/min
- flowmetre with cumulative metre and single-use metre
- 4 m filling hose, automatic nozzle
- installed within a protective housing



Electric pump CUBE 70 K33
(Details / accessories see page 86)

Electric pump CUBE 70 MC50

- self-priming
- pump flow rate approx. 70 l/min
- electronic flowmetre with 50 user codes
- 4 m filling hose, automatic nozzle
- installed within a protective housing



Electric pump CUBE 70 MC50
(Details / accessories see page 86)

Steel tank with console for diesel dispensing pumps

Tank system as described on page 26, additionally equipped with console and suction line for diesel dispensing pumps (see page 83 and page 84), completely installed. 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. installation * with ventilation pipe and console *** without dispensing pump

Steel tank with electric pump CUBE 70 K33

Tank system as described on page 26, additionally equipped with pump system and suction line, completely mounted

Capacity l	Dimensions cm (l x w x h)*	Tank ø cm	DIN	Weight approx. kg	Order no.
4,000	270 x 165 x 225	160	6616/D	1130	7859
5,000	475 x 130 x 190	125	6624	1280	7860
7,500	420 x 175 x 225	160	6616/D	1830	7861
10,000	550 x 175 x 225	160	6616/D	2230	7862
15,000	810 x 175 x 225	160	6616/D	3030	8143
20,000	698 x 215 x 266	200	6616/D	3830	8144
30,000	1012 x 215 x 266	200	6616/D	5230	8145

* with ventilation pipe

Steel tank with electric pump CUBE 70 MC50

Tank system as described on page 26, additionally equipped with pump system and suction line, completely mounted

Capacity l	Dimensions cm (l x w x h)*	Tank ø cm	DIN	Weight approx. kg	Order no.
4,000	270 x 165 x 225	160	6616/D	1130	7863
5,000	475 x 130 x 190	125	6624	1280	7864
7,500	420 x 175 x 225	160	6616/D	1830	7865
10,000	550 x 175 x 225	160	6616/D	2230	7866
15,000	810 x 175 x 225	160	6616/D	3030	8146
20,000	698 x 215 x 266	200	6616/D	3830	8147
30,000	1012 x 215 x 266	200	6616/D	5230	8148

* with ventilation pipe

Delivery / shipping costs for a one-off delivery: Delivery ex works. When a delivery is made the customer must provide a crane or forklift for unloading. Be sure to take the weight of the tank into account.



Underground safety tank, GRP coated [PG 4]

If the building or the yard surface cannot be used for diesel storage, we recommend underground tanks.

The underground safety tank comprises: double-wall steel tank according to DIN 6608/2 with a vacuum leak detector, limit indicator, dip stick, filling connection with tanker coupling, ventilation pipe and discharge line.

The dome shaft (100 x 100 cm with shaft access lid) is adjustable in height between 90 and 110 cm. The two pipe sockets (dia. 108 x 150 mm) at the dome shaft can be positioned as required. The whole system has an outer, approx. 3mm thick GRP layer to provide corrosion protection. Additionally the tank bottom is coated in the areas most prone to corrosion.

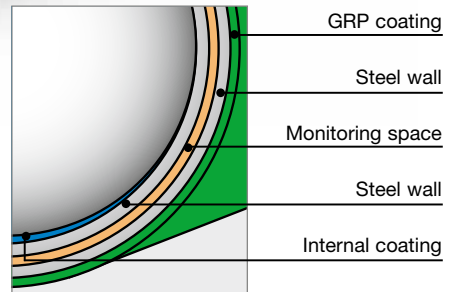
- 20 year tank warranty
- external corrosion protection through GRP coating
- inner tank bottom coated
- space between both walls vacuum monitored
- increased height-adjustable dome shaft
- galvanized shaft cover



Dome lid with connections



Leak detector



Steel tank with accessories [PG 4]


Tank system as described above, with discharge line 1 1/4" for diesel.

Capacity l	Dimensions cm (l x w x h)*	Tank ø cm	DIN	Weight approx. kg	Order no.
3000	170 x 160 x 270	160	6608/2	910	7943
5000	270 x 160 x 270	160	6608/2	1300	7944
7000	370 x 160 x 270	160	6608/2	1660	7945
10000	520 x 160 x 270	160	6608/2	2210	7946

* incl. dome shaft





Underground safety tank, GRP coated [PG 4]

Designation	
	Installation supervision and isolation checking by authorized specialists as per legal regulations WHG § 19.
	Isolation checking unit can be loaned for free (for a deposit of 1,000.--)

Please note: Installation by a specialist firm required under the Waste Management Act.

Accessories for underground safety tank [PG 4]

Designation	Order no.
	7565
	7795

Delivery / shipping costs for a one-off delivery: Delivery ex works. When a delivery is made the customer must provide a crane or forklift for unloading. Be sure to take the weight of the tank into account.



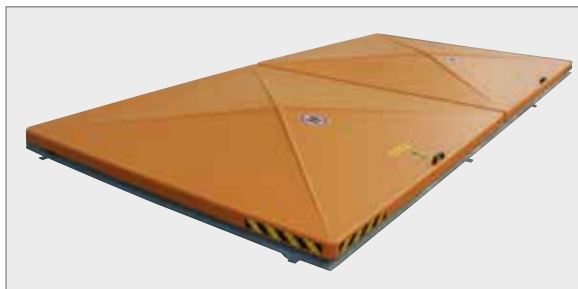
Fuel dispensing area for outdoor installation [PG 9]

Fuel dispensing area for outdoor installation

for approved and safe filling of your vehicles. Spilled fuel is contained and can be disposed of. Approval no.: Z-38.5-107
The tray must be anchored on a stable surface with the heavy duty anchors included in the scope of delivery.

Particular advantages are:

- compact design
- mobile, transportable
- can be set up and used immediately
- anti-slip surfaces
- suitability assessment not required
- painted tray, RAL 7036
- Lid in lightweight GRP for easy opening
- weather-resistant GRP cover, thus suitable for outside installation
- the GRP cover also acts as a splash protection wall when opened
- traversable edge sills on three sides
- 2" pipe socket installed in the tray and thus suitable for use as a filling point when filling the storage tank from the road tanker using a filling hose protection system (ASS)
- Tray, cover and accessories are supplied separately, no installation

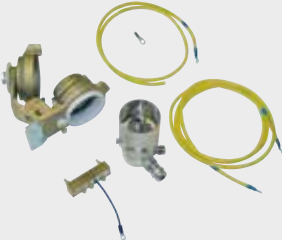


ASS coupling fitted (without accessories)

Outdoor fuel dispensing area

Designation	External dimensions cm (l x w x h)	max. collection volume l	Wheel load to.	Weight approx. kg	Order no.
Outdoor fuel dispensing area	500 x 250 x 26	280	50	690	8075

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

Designation		Order no.
	<p>ASS fitting complete with accessories According to TRwS 781 chapt. 6.2.2. If the CEMO fuel dispensing area (order no. 8075) is equipped with this fitting, the fuel dispensing area 8075 can also be used to fill the tank system according to TRwS 781 chapt. 4.2.2.3. Scope of delivery consists of:</p> <ul style="list-style-type: none"> • ASS fitting G2" with automatic closure • filling station module for filler neck • wall fitting for conversion of an existing limit indicator 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 limit indicator 	8693



Fuel dispensing areas [PG 9]

Compact fuel dispensing area

for approved and safe filling of your vehicles. Spilled fuel is contained and can be disposed of.
Approval no.: Z-38.5-107

Particular advantages are:

- compact design
- mobile and transportable
- can be set up and used immediately
- traversable, anti-slip surfaces
- suitability assessment not required
- up to 50 tons wheel load
- limited operating range of the nozzle due to 1 m high splash protection wall (plug-in)
- accessible from three sides

Also see "Legal basics" on page 5.



Compact fuel dispensing area

Secure filling hose mounting with anti-kink device and length limiting.

Basic fuel dispensing area

(without splash protection wall and collision protection) for approved and safe filling of your vehicles. Spilled fuel is contained and can be disposed of.
Approval no.: Z-38.5-107

- with two drive-over edge sills on the ends
- no splash protection wall (must be fitted by the customer, e.g. sheet metal board height 1 m at the wall)



Basic fuel dispensing area

Fuel dispensing areas

Designation	External dimensions cm (l x w x h)	max. collection volume l	Wheel load tons	Weight approx. kg	Order no.
Compact fuel dispensing area	400 x 200 x 100	200	50	490	7827
Compact fuel dispensing area	500 x 250 x 100	275	50	730	8084
Basic fuel dispensing area	500 x 250 x 5	275	50	570	8124



Fuel dispensing area [PG 9]

Modular fuel dispensing area
 for approved and safe filling of your vehicles. Spilled fuel is contained and can be disposed of.
 The 3 module types can be used to create large areas of any size by their simple interconnection.
 Approval no.: Z-38.5-107

- Particular advantages are:
- expandable
 - mobile and transportable
 - can be set up and used immediately
 - traversable, anti-slip surfaces
 - suitability assessment not required
 - up to 50 tons wheel load



can be extended as required using standard elements



easy access to the fueling area



simple interconnecting modules

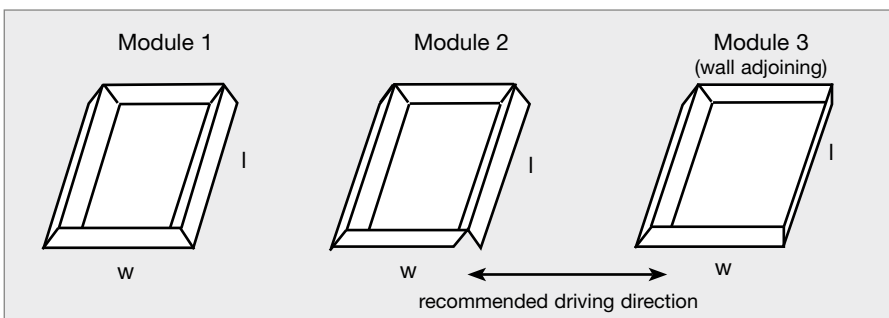


drive-over sill for connecting or driving over elements on their short sides

Modular fuel dispensing area

Designation			External dimensions cm (l x w x h)	max. collection volume l	Wheel load tons	Weight approx. kg	Order no.
Fuel dispensing area	Module 1		500 x 250 x 5.5	288	50	590	7704
	Module 2		500 x 250 x 5.5	287	50	570	7705
	Module 3		500 x 250 x 5.5	299	50	570	7706
Drive-over sill				240 x 21 x 5.5	-	21	7794

The different modules





Mobile tank systems for diesel (page 33-51)

**Diesel trolley**

- 100 litres
- individual PE tank
- approved for transport for immediate consumption according to ADR 1.1.3.1 c)
- with pump
- with wheels, dia. 300 mm, air-filled, all-terrain
- fully assembled

**DT-Mobile Easy**

- 125 - 600 litres
- individual PE tank
- approved for transport under ADR. Examination every 2½ years (see ADR 6.5.4.4.1 b) (200l or 600l)
- approved for transport for immediate consumption according to ADR 1.1.3.1 c) (125l, 200l or 430l)
- with pump
- fully assembled

**MULTI-Tank**

- 340 - 1,500 litres
- HDPE single-wall tank with integrated galvanized 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**

- mobile diesel filling station
- approved for transport and storage for installation both indoors and outdoors according to the ADR
- DT-Mobile single-wall: in water-protected areas, a bund is to be provided when used as a storage container.
- DT-Mobile double-wall: also approved for use in water-protected areas without a bund

**DT-Mobile CUBE**

- 650 - 980 litres
- mobile diesel tank system
- approved for transport and storage for installation outdoors and indoors according to ADR
- double-walled, also approved without collection tray in water-protected areas

**DT-Mobile horizontal (double-walled)**

- 980 - 3.000 litres
- mobile diesel filling station
- with secure storage box
- stackable
- approved for transport, storage and installation both indoors and outdoors according to the ADR
- also approved for use in water-protected areas without a bund



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 5.

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.



Example:
DT-Mobile Easy 2001
for direct consumption

Exemptions in combination with the type of transport, sub-section 1.1.3.1 c) ADR – 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 liters 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 35.

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 2½ 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.





- Checklist -

Transport of diesel fuel according to the craftsman regulation

Claim to the craftsman regulation [1.1.3.1 c) ADR]	yes	no *)
Are the deliveries in question associated with the main activity?		
Quantities not exceeding 450 liters per package		
Do not exceed max. quantities according to the table 1.1.3.6 ADR - 1000-point rule - (Diesel fuel = 1000 litres net)		
Measures taken to prevent emergence of the content under normal transport conditions		
Load adequately secured		
Leak-tight and undamaged containment and enclosures of the packagings		
No adhesion of dangerous residues		
No transport for internal or external supply of the business Exception: transport for direct consumption according to RSEB 1-5.1		

*) Exemption cannot be claimed

Additional regulations to be observed:		
Instruction performed		



Example: DT-Mobile Easy 4301 for direct consumption

Technical specifications subject to change.



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 quickly 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.



Anti-kink protection + swivel joint

The anti-kink protection and swivel joint provide the best possible protection for your delivery hose. Integrated delivery nozzle holder with lock.



Integrated ventilation

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



Shut-off valve

The container can be completely closed with a shut-off valve for transport.



Recesses for lashing straps

Integrated guides for lashing straps provide safety for transport in the vehicle. Hose holder: whether upright or horizontal – everything fits; no hose out of place.



Wheels with air-filled tyres

Large, air-filled tyres for simple handling on terrain and over stairs.



Diesel trolley [PG 4]

Diesel trolley 100 l

- suitable for use under ADR 1.1.3.1 c) for single site refuelling by a person in the course of their main business
- polyethylene container with integral hand grip and carry handles
- fill cap with integral breather valve
- outlet connection with stop valve
- 300mm diameter pneumatic tyres, air-filled, all-terrain
- interior baffle
- integral nozzle holder
- moulded recesses enabling strapping during transport

Mounted pump:

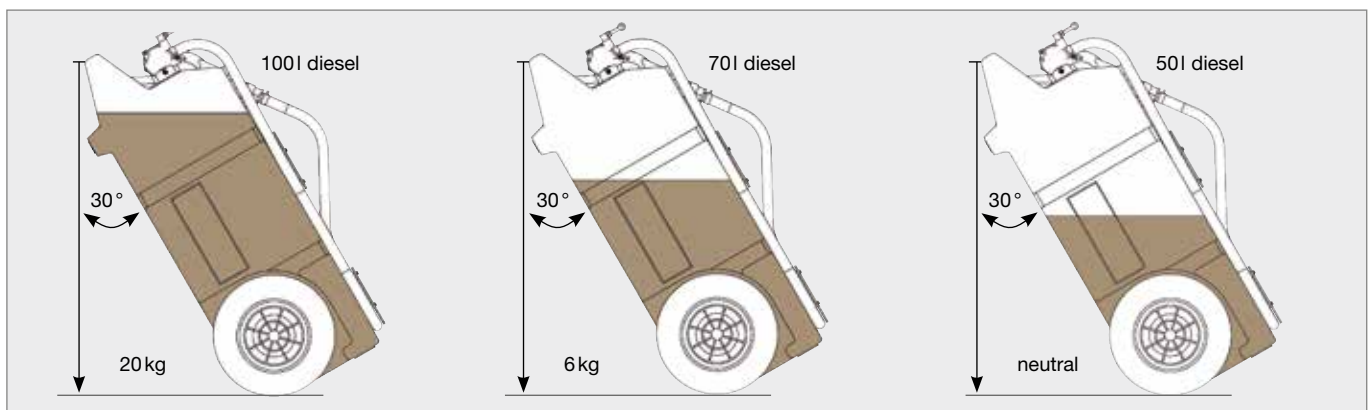
- hand pump 25l/min with 3m delivery hose and nozzle
- self priming 12V electric pump 25l/min with 3m delivery hose and 4m fly leads



Diesel trolley with electric pump



Diesel trolley with hand pump



Weight distribution to hand grip during movement.

Diesel trolley

Designation / Capacity	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
Diesel trolley 100l with hand pump and nozzle	100 x 59 x 43	19	10160
Diesel trolley 100l with 12V electric pump and automatic nozzle	100 x 59 x 43	20	10161



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.



www.cemo.de/tankstationen/mobile-diesel-und-kraft-stofftankanlagen/dieseltankanlagen/dt-mobil-easy.html



Nozzle holder

The built-in nozzle holder provides a secure hold during transport.



Built-in ergonomic carry handles

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



Integral forklift slots

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

Technical specifications subject to change.

**Built-in hose brackets**

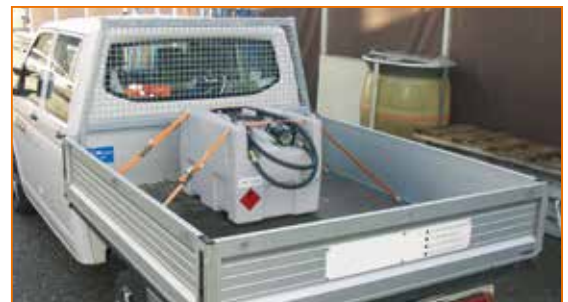
The built-in hose brackets keep things tidy until you next need to fill up.

**Integrated ventilation with pressure relief**

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

**Delivery line can be shut off**

The shut-off valve enables the container to be sealed off completely, thus adding to safety during transportation.

**Recesses for ratchet lashing strap**

Integral recesses (125l, 200l, 430l) and eyes (460l and 600l) to allow immobilisation with a ratchet lashing strap during transportation.

**Folding crane eye and lashing eyes**

The folding crane and lashing eyes (460l and 600l) make it easier to secure the load in the prescribed manner, and serve at the same time as fastening eyes if the device is lifted by crane.



DT-Mobile Easy [PG 4]

with ADR approval

DT-Mobile Easy with ADR approval

Approved for transport under ADR.

Examination every 2 ½ years (see ADR 6.5.4.4.1 b).**

Fully assembled.

Container:

- single-walled 200 l, 460l or 600 l polyethylene
- with lid (200l model)
- crane loops (460l and 600l model)
- integral delivery nozzle holder
- integral filling tube
- integrated ventilation with pressure relief
- integral forklift slots and handles
- integral recesses (200l) or loops (460l and 600l) for tensioning belts during transport

Pre-assembled pump:

- self-priming electric pump 12 V or 24 V DC, 25 or 40 l/min, with automatic or manual 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).

NEW

DT-Mobile Easy 460l with electric pump, automatic delivery nozzle and flap lid



DT-Mobile Easy 600l with electric pump, automatic delivery nozzle and flap lid

DT-Mobile Easy 200l with electric pump, automatic delivery nozzle and flap lid

DT-Mobile Easy with ADR approval

Designation/ Capacity	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
DT-Mobile Easy 200 l with hand pump, manual nozzle and flap lid	80 x 62 x 61	26	10080
DT-Mobile Easy 200 l with electric pump 12V, 40 l/min, automatic delivery nozzle and flap lid	80 x 62 x 61	28	10083
DT-Mobile Easy 200 l with electric pump 24V, 40 l/min, automatic delivery nozzle and flap 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 electric pump 12V, 40 l/min and automatic delivery nozzle	116 x 80 x 81	47	10416
DT-Mobile Easy 460 l with electric pump 24V, 40 l/min and automatic delivery nozzle	116 x 80 x 81	47	10417
DT-Mobile Easy 460 l with electric pump 12V, 40 l/min, automatic delivery nozzle and flap lid	116 x 80 x 86	60	10418
DT-Mobile Easy 460 l with electric pump 24V, 40 l/min, automatic delivery nozzle and flap 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 electric pump 12V, 40 l/min and automatic delivery nozzle	116 x 80 x 102	53	10085
DT-Mobile Easy 600 l with electric pump 24V, 40 l/min and automatic delivery nozzle	116 x 80 x 102	53	10086
DT-Mobile Easy 600 l with electric pump 12V, 40 l/min, automatic delivery nozzle and flap lid	116 x 80 x 107	66	10087
DT-Mobile Easy 600 l with electric pump 24V, 40 l/min, automatic delivery nozzle and flap lid	116 x 80 x 107	66	10088

Graduated price			rabate 3 %	rabate 5 %	rabate 8 %
	Designation / Type	Order no.	quantity	quantity	quantity
%	DT-Mobile Easy 200 l with ADR approval with electric pump 12V, 40l/min, automatic delivery nozzle and flap lid	10082	2	4	6



DT-Mobile Easy [PG 4]

DT-Mobile Easy**Approved for transport for immediate consumption according to ADR 1.1.3.1 c)**

Fully assembled.

Container:

- single-walled 125l, 200l or 430l polyethylene
- integral delivery nozzle holder
- integral filling tube
- integrated ventilation with pressure relief
- integral forklift slots and handles
- integral recesses (125l, 200l, 430l) or loops (600l) for tensioning belts during transport

Pre-assembled pump:

- self-priming electric pump 12 V or 24 V DC, 25 or 40 l/min, with automatic or manual nozzle, 4 m filling hose and 4 m electrical cable
- hand pump 25 l/min, 2.7 m filling hose and manual nozzle



DT-Mobile Easy 430l with electric pump, automatic delivery nozzle and flap lid



DT-Mobile Easy 200l with electric pump and automatic delivery nozzle



DT-Mobile Easy 125l with hand pump



DT-Mobile Easy with hand pump and manual nozzle



DT-Mobile Easy with electric pump and automatic nozzle

DT-Mobile Easy according to ADR 1.1.3.1 c)

Designation/ Capacity	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
DT-Mobile Easy 125 l with hand pump und manual nozzle	80 x 60 x 45	22	8915
DT-Mobile Easy 125 l with electric pump 12V, 25 l/min and automatic delivery nozzle	80 x 60 x 45	24	8924
DT-Mobile Easy 200 l with hand pump und Zapfventil	80 x 60 x 59	23	8831
DT-Mobile Easy 200 l with electric pump 12V, 40 l/min and automatic delivery nozzle	80 x 60 x 59	25	10218
DT-Mobile Easy 200 l with electric pump 24V, 40 l/min and automatic delivery nozzle	80 x 60 x 59	25	10004
DT-Mobile Easy 430 l without pump, with quick coupling for vehicles with integrated suction pump	116 x 76 x 73	40	8958
DT-Mobile Easy 430 l with electric pump 12V, 40 l/min and automatic delivery nozzle	116 x 76 x 73	45	8872
DT-Mobile Easy 430 l with electric pump 24V, 40 l/min and automatic delivery nozzle	116 x 76 x 73	45	8923
DT-Mobile Easy 430 l with electric pump 12V, 40 l/min, automatic delivery nozzle and flap lid	116 x 76 x 78	58	8925
DT-Mobile Easy 430 l with electric pump 24V, 40 l/min, automatic delivery nozzle and flap lid	116 x 76 x 78	58	8928

Graduated price		Order no.	rabate 3 % quantity	rabate 5 % quantity	rabate 8 % quantity
%	Designation / Type				
	DT-Mobile Easy 200 l according to ADR 1.1.3.1 c) with electric pump 12V, 40l/min and automatic delivery nozzle	8709	2	4	6



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

No more hassle with hard-to-access batteries or cables that are too short.

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

specifically for DT-Mobile Easy with electric pump 24 V

- battery charging sufficient for a flow rate of up to 950 litres
- battery replacement in seconds, secure mount thanks to slide pack
- integrated electronics to protect cells and operator, prevents e.g. deep discharge, overheating and short-circuits
- operating temperature range: -20 °C to +50 °C
- very low self-discharge



NEW



DT-Mobil Easy 2001 with Li-Ion battery system and electric pump



DT-Mobil Easy with Li-Ion battery system

Designation	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
DT-Mobil Easy 2001 with electric pump 24 V, 40l/min, Li-Ion Akku 3,0 Ah, automatic delivery nozzle and flap lid, with ADR approval	80 x 62 x 61	30	10291
DT-Mobil Easy 4301 with electric pump 24 V, 40l/min, Li-Ion Akku 3,0 Ah, automatic delivery nozzle and flap lid	116 x 76 x 78	60	10323
DT-Mobil Easy 4601 with electric pump 24 V, 40l/min, Li-Ion Akku 3,0 Ah, automatic delivery nozzle and flap lid, with ADR approval	116 x 76 x 86	62	10414
DT-Mobil Easy 6001 with electric pump 24 V, 40l/min, Li-Ion Akku 3,0 Ah, automatic delivery nozzle and flap lid, with ADR approval	116 x 76 x 107	68	10320

Accessories for Li-Ion battery system

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

Accessories for DT-Mobile Easy [PG 4]

CEMbox 400I

CEMbox 400 I with insert for securing the DT-Mobile Easy 200 I and a battery for operating the electric pump (battery not included in the scope of delivery).

- suitable for all DT-Mobile Easy 125 I and 200 I
- rain and anti-theft protection for the DT-Mobile Easy
- storage space and fixing belts for battery
- secondary protection against leaks



CEMbox 400I with fixed insert

Designation	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
CEMbox 400I with fixed insert	120 x 79 x 75	35	10024



Accessories for DT-Mobile Easy [PG 4]

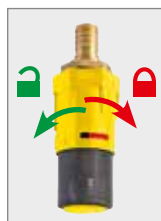
Accessories for DT-Mobile Easy

Designation	Order no.
 Lid for DT-Mobile Easy 125l and 200l (up year of construction 2011)	8963
 Flap lid lock for DT-Mobile Easy 125l and 200l, complete with two keys	10214
 Lid for DT-Mobile Easy 430l, 460l and 600l (can be hinged on right or left)	8833
 Digital flowmetre K 24 for electric pump 12 V and 24 V, 40 l/min for DT-Mobile Easy 200l	8832
 Digital flowmetre K 24 for electric pump 12 V and 24 V, 40 l/min, for DT-Mobile Easy 430l, 460l and 600l	8908
 Level indicator for DT-Mobile Easy 430l and 460l	8881
 Level indicator for DT-Mobile Easy 600l	10089
 Oil-resistant anti-slip mat for DT-Mobile Easy 125l and 200l, oil- and weather-resistant	10166
 Oil-resistant anti-slip mat for DT-Mobile Easy 430l, 460l and 600l, oil- and weather-resistant	10167
 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
 Adhesive label set for DT-Mobile Easy retrofitting	10261

Extraction kit for DT-Mobile Easy

Conversion kit to upgrade the DT-Mobile Easy with a 40 l/min. electric pump. The pump can also suck diesel back out of the vehicle's tank and into the DT-Mobile Easy or another tank.

- for use with the 200l, 430l, 460l and 600l sizes
- transparent 3 m suction hose with special, manual-close foot valve and drip-free quick coupling for connecting to the pump's suction line
- suction height approx. 1.5 m
- features a separate shut-off valve



Extraction kit

Designation	Order no.
Extraction kit for DT-Mobile Easy	10204

Technical specifications subject to change.



MULTI-Tank and DT-Mobile MULTI [PG 4]

Single tank

- from HDPE with integral galvanized 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 level indicator, optical leak 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 MULTI-Tank 1500 l).

Particular advantages:

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



DT-Mobile MULTI 340 I / CENTRI 12V

- mobile diesel tank system with locking hood and electric pump 12 V, approx. 30 l/min effective, automatic delivery nozzle
- double-walled tank from HDPE with integral sheet steel collection tray and optical leak indicator
- level indicator
- approved for transport according to ADR 1.1.3.1 c) (see page 34)
- container with ADR approval
- low centre of gravity for high stability
- sturdy base structure, forklift-accessible from all 4 sides

Hood for UNI-/MULTI-Tank 340 l and 1,000 l, further accessories see page 12 and 13.

Base pallet with collision protection



Pump with digital flowmetre K24 (accessory)

Mobile package savings: 10%
complete with pump



DT-Mobile MULTI 340 I with pump CENTRI 12V



MULTI-Tank

Capacity l	Dimensions cm (l x w x h)	Approval no. for storage and transport	Weight approx. kg	Order no.
340	128 x 80 x 70	D/BAM 11332/31HA1	55	7980
400	73 x 70 x 117	Z-40.21-365 / D/BAM6403/31 HA1	55	7536
750	98 x 77 x 146	Z-40.21-288 / D/BAM 11580/31 HA1	82	7381
1000	128 x 80 x 147	Z-40.21-288 / D/BAM 11581/31 HA1	100	7382
1500	164 x 80 x 187	Z-40.21-432 / D/BAM6404/31 HA1	165	7539

Accessories see page 12 and 13.

DT-Mobile MULTI 340I/CENTRI

Designation/ Capacity	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
DT-Mobile MULTI 340I/CENTRI with lockable hood and electric pump 12V	128 x 79 x 87	89	8707

Accessories for DT-Mobile MULTI 340I/CENTRI

Designation	Order no.
Digital flowmetre K 24	8644

* 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.



DT-Mobile [PG 4]

Single 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.
- **galvanized**
- with two crane loops and forklift tubes
- guard ring for pump system
- dip stick
- discharge line R 1", lockable
- ventilation pipe R 1½", lockable
- filling connection R 2", lockable
- DT 980 with limit indicator
- 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 leak detector

Single-wall model:

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

Examination every 2½ years (see ADR 6.5.4.4.1 b). CEMO offers professional training courses on the subject.



Pump cabinet model
double-wall, hot galvanized

Pump hood model
double-wall, hot galvanized
(see also Mobile package 980 I)

Mobile package 980 I

Mobile package savings: 12%

Designation	Order no.
DT-MOBIL 980 I double-wall, galvanized, with lockable pump hood (order no. 7386) with electric pump 12V, 50l/min, automatic delivery nozzle and 4 m filling hose (order no. 7981)	10287

DT-MOBIL single-wall, hot galvanized

Diesel tank system as described on page 42

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

double sidedhot-galvanized model	Capacity l	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
A with lockable pump hood, completely installed (except pump etc.)	400	95 x 95 x 147	146	7316
	600	95 x 95 x 176	171.5	7314
	980	120 x 120 x 177	179.5	7233
B with lockable pump cabinet, completely installed (except pump etc.)	400	95 x 95 x 147	160	7746
	600	95 x 95 x 177	185	7747
	980	120 x 120 x 177	193	7748

DT-MOBIL double-wall, hot galvanized

Diesel tank system as described on page 42

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

double sidedhot-galvanized model	Capacity l	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
A with lockable pump hood, completely installed (except pump etc.)	400	96 x 96 x 150	216	7577
	600	96 x 96 x 177	258	7578
	980	121 x 121 x 181	305	7386
B with lockable pump cabinet, completely installed (except pump etc.)	400	96 x 96 x 150	229	7749
	600	96 x 96 x 177	271	7750
	980	121 x 121 x 181	318	7751



DT-Mobile [PG 4]

Single 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.
- painted
- with two crane loops
- forklift tubes
- guard ring for pump system
- dip stick
- discharge line R 1", lockable
- ventilation pipe R 1½", lockable
- filling connection R 2", lockable
- DT 980 with limit indicator

Double-wall model:

- also approved as a storage container according to DIN 6623
- approved for water-protected areas*
- galvanized or painted (for orders of 5 or more, available in company colours)
- with leak detector

Single-wall model:

- if used in water-protected areas, a bund is to be provided
- galvanized or painted (for orders of 5 or more, available in company colours)

Examination every 2½ years (see ADR 6.5.4.4.1 b).



Mobile package savings up to 13%

Sheet steel 2 x 3 mm

Pump hood model double-wall, painted (see also Mobile package 980 I)

Mobile package 980 I

Mobile package savings up to 13%

Designation	Order no.
DT-Mobile 980 I single-wall, painted, with lockable pump hood (order no. 8587) and electric pump 12 V, 50 l/min, with automatic nozzle and 4 m filling hose (order no. 7981)	7216
DT-Mobile 980 I double-wall, painted, with lockable pump hood (order no. 7384) and electric pump 12 V, 50 l/min, with automatic nozzle and 4 m filling hose (order no. 7981)	7858

DT-MOBIL single-wall, painted

Diesel tank system as described on page 42
Approval no.: D/BAM 5454/31A (980 I)

also suitable for vegetable oils and biodiesel

painted model***	Capacity l	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
A without pump hood, completely installed (except pump etc.)	980	120 x 120 x 126	175	8586
B with lockable pump hood, completely installed (except pump etc.)	980	120 x 120 x 177	179.5	8587

DT-MOBIL double-wall, painted

Diesel tank system as described on page 42
Approval no.: D/BAM 6326/31A (980 I painted)

also suitable for vegetable oils and biodiesel

painted model***	Capacity l	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
A without pump hood, completely installed (except pump etc.)	980	122 x 122 x 141	300	7383
B with lockable pump hood, completely installed (except pump etc.)	980	122 x 122 x 177	305	7384

*** For orders of 5 or more, available in company colours.

Complete installation of the DT-Mobile with pump	8379
--	------

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

Technical specifications subject to change.



DT-Mobile [PG 4]

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

Bezeichnung	Order no.
 Lockable pump hood (included in model B)	7219
 Lockable pump cabinet with delivery nozzle holder (included in model C)	7763
 Hand pump, 40 l/min, with elbow spout and 4 m filling hose	7253
 Flowmetre for hand pump	7579
 Electric pump 12 V, 50 l/min, with automatic nozzle and 4 m filling hose	7981
 Electric pump 24 V, 70 l/min, with automatic nozzle and 4 m filling hose (can also be operated at 12 V, in which case the pump delivery rate is 35 l/min.) Reliably self-priming only for operation with 24 V.	7982
 Electric pump 230 V, 50 l/min, with automatic nozzle and 4 m filling hose	7222
 Flowmetre for electric pump	7753
 Extension hose DN 19 for electric pump	2 m, with 1" connection 7071
 Extension hose DN 19 approx. 50 l/min	4 m, with 1" connection 7072
 Filling hose, RME-resistant	4 m (with 2 x 1" external thread) 7938
 Viscomat 90 complete with metre K33, for lubricants and vegetable oils suitable for DT-Mobile <u>without pump hood</u> (order no. 7315, 7313, 7215, 7575, 7576, 7385, 8586, 7383) <u>and with lockable pump cabinet</u> (order no. 7746, 7747, 7748, 7749, 7750, 7751), 230 V, filler hose 4 m, hand discharge valve (designation of the Viscomat 90, see page 98.)	 8695
 Splash guard insert for DT-Mobile delivery nozzle filling A splash guard insert was developed to simplify the filling of mobile diesel tank systems using delivery nozzles. This splash guard insert is simply inserted into the filler neck. It serves as a sealing element between the filler neck of the DT-Mobile and the outlet nozzle of the delivery nozzle. After filling, the splash guard insert can remain in the filler neck.	8272
 Battery cable, 2.3 m, with 3-pin European standard socket	8194
 Tensioning belt 35 mm x 3 m, 2-piece with hooks	8834
 Adhesive label set for DT-Mobil and KS-Mobil retrofitting	10261

For further hose lengths, see page 91.



DT-Mobile CUBE [PG 4]

DT-Mobile CUBE

- for transport in accordance with ADR, storage and fueling with diesel fuels
- double-walled steel tank, painted, with integral baffle
- also ideally suited for bio diesel and diesel with increased bio diesel content
- cubic form for optimum space utilisation
- approved for use in water-protected areas*

- with 4 crane lifting eyes
- forklift pockets
- stackable 2 high when full
- lid hot-dip galvanised, lockable
- cover opening supported by gas pressure springs
- all fittings on the inside and thus protected
- optical leak detector (principle of vacuum)

- optical filling level indicator
- discharge line R 1", lockable
- ventilation connection R 1½", lockable
- filling union R 2", lockable

Recurring inspection after 2½ years (see ADR 6.5.4.4.1 b)
CEMO offers professional training courses on the subject.



650 l



980 l

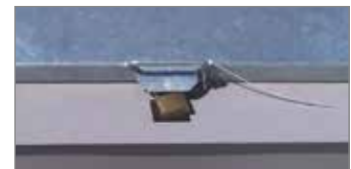
double-wall and vacuum leak indicator

also suitable for biodiesel and diesel with increased bio diesel content

integral baffle



all fittings on the inside and thus protected



additional lock protector that prevents direct access by bolt cutters

DT-Mobile CUBE

Designation / Capacity l	Dimensions in cm (l x w x h)	Wall thickness in mm	Weight approx. kg	Order no.
DT-Mobile CUBE 650 l	153 x 80 x 72.2	walls 2/2; floor 4; cover 3	275	8835
DT-Mobile CUBE 980 l	153 x 80 x 115.8	walls 2/2; floor 4; cover 3	319	8836








* National installation laws and conditions are to be observed.

Technical specifications subject to change.



DT-Mobile CUBE [PG 4]

Accessories suitable for DT-Mobile CUBE

Designation	Order no.
 <p>Hand pump, 40 l/min, with holder, outlet manifold and 4m filling hose</p>	8266
 <p>Hand pump, 40 l/min, with holder, metre, outlet manifold and 4m filling hose</p>	8267
 <p>Electric pump 12 V, 50 l/min, with foot, automatic delivery nozzle and 4 m filling hose</p>	8264
<p>Electric pump 24 V, 70 l/min, with foot, automatic delivery nozzle and 4 m filling hose (can also be operated at 12 V, in which case the pump delivery rate is 35 l/min.) Reliably self-priming only for operation with 24 V!</p>	8265
 <p>Electric pump 230 V, 50 l/min, with automatic delivery nozzle and 4 m filling hose</p>	7222
 <p>Meter for electric pump</p>	8138
 <p>Limiting value transmitter for DT-Mobile CUBE 650/980I</p>	10213
 <p>Adhesive label set for DT-Mobil and KS-Mobil retrofitting</p>	10261
<p>Extension hose DN 19 (with 2 x 1" thread) for electric pump</p>	7071
<p>Extension hose DN 25 RME-resistant, 4 m (with 2 x 1" external thread)</p>	7938
For further hose lengths, see page 91.	
Complete installation of the DT-Mobile CUBE with pump	8379



DT-Mobile, horizontal [PG 4]



Lay on an excavator scoop for optimum theft protection.

Single tank system for mobile outdoor and indoor use

Approval no. PA-06-W 187

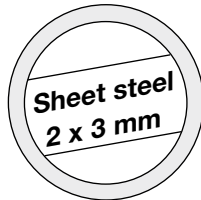
indefinite approval period

- approved according to ADR for transport
- size 980 l approved as storage tank according to DIN 6624-2
- also ideally suited for bio diesel and diesel with increased bio diesel content
- approved for water-protected areas
- double-wall
- painted (for orders of 5 or more, available in company colours)
- two crane loops
- forklift tubes
- dip stick
- limit indicator
- leak detector

Stable storage box:

- lockable, tamper-resistant
- protection against pump system damage
- 2 x stacking of the system when full (Size 980 l), tested to 4x safety (6t)
- discharge line R 1", lockable
- ventilation pipe R 1½", lockable
- filling connection R 2", lockable

Examination every 2½ years (see ADR 6.5.4.4.1 b)



Also suitable for vegetable oils and biodiesel

EXTREMELY ROBUST



2,000 l



Protection against slipping



980 l, stackable



3,000 l

Technical specifications subject to change.



DT-Mobile, horizontal [PG 4]

DT-Mobile double-wall, horizontal

Designation/Capacity	Capacity l	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
DT-Mobile 980l double-wall, horizontal	980	136 x 105 x 160	450	7765
DT-Mobile 2000l double-wall, horizontal*	2,000	190 x 130 x 185	650	8837
DT-Mobile 2500l double-wall, horizontal*	2,500	240 x 130 x 185	750	8838
DT-Mobile 3000l double-wall, horizontal*	3,000	170 x 165 x 220	780	8839

* job-specific production

Accessories suitable for DT-Mobile double-wall, horizontal

Designation	Order no.	
 <p>Hand pump, 40 l/min, with outlet manifold and 4 m filling hose</p>	7843	
 <p>Meter for hand pump</p>	7579	
 <p>Electric pump 12 V, 50 l/min, with automatic nozzle and 4 m filling hose</p>	7981	
 <p>Electric pump 24 V, 70 l/min, with automatic nozzle and 4 m filling hose (can also be operated at 12 V, in which case the pump delivery rate is 35 l/min.) Reliably self-priming only for operation with 24 V!</p>	7982	
 <p>Electric pump 230 V, 50 l/min, with automatic nozzle and 4 m filling hose</p>	7222	
 <p>Meter for electric pump</p>	7753	
 <p>Extension hose DN 19 for electric pump approx. 50 l/min</p>	2 m, with 1" connection	7071
	4 m, with 1" connection	7072
<p>Filling hose biodiesel-resistant</p> <p>For further hose lengths, see page 91.</p>	4 m (with 2 x 1" external thread)	7938
 <p>Viscomat 90 complete with metre K33, suitable for DT-Mobil horizontal (order no. 7765), 230 V, delivery flow rate 50 l/min, filling hose 4 m, hand discharge valve</p> <p>lubricants / vegetable oil</p>	8694	
 <p>UN 1202 UN 1202 UN 1203 UN 1203</p>	Adhesive label set for DT-Mobil and KS-Mobil retrofitting	10261
Complete installation of the DT Mobile with pump	8379	



Tank systems for petrol







Tank systems for petrol (page 54 - 61)



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

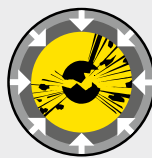
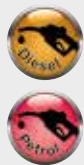


Fuel trolley 951

- 95l
- 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
- patented flame suppressant filling
- 300 mm diameter pneumatic tyres, air-filled, all-terrain

KS-Mobile Easy

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



explosion pressure resistant



KS-Mobile

- 90l + 200l
- mobile tank system for petrol
- approved for transport under ADR
- explosion shock proof construction

KS-Mobile

- 400 - 980l
- 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



Tanks systems for petrol



Important legal conditions for handling petrol

The requirements for handling petrol are comparable to those of diesel fuel, but are somewhat stricter. The more stringent requirements are due to the usually higher water hazard class in accordance with the German Water Management Act and to the lower flash point (highly flammable as defined by the German Hazardous Substances Ordinance (GefStoffV)) of petrol. The more stringent requirements are described below.

Storing petrol

There are many laws and regulations that must be complied with when storing petrol. Excerpts from the German Ordinance on Industrial Safety and Health (BetrSichV), the German Water Management Act (Wasserhaushaltsgesetz (WHG)), the German Technical Regulations for Hazardous Substances (Technische Regel Gefahrstoffe (TRGS)) and the regulations related to garages in

Germany (Garagenverordnung) are given here.

These regulations clearly define the permissible storage quantities, storage site requirements, and the risk assessments required by the employer.

This information has been clearly organised in the following table.

For storage tanks with a capacity of 200l or more, a restraining device is required if the tanks do not have a double-walled design.

	Technical Regulations for Hazardous Substances (TRGS) 510	Ordinance on Industrial Safety and Health (BetrSichV)	Water Management Act (WHG)	Regulations on Garages (Garagenverordnung)
Storage in homes	no			
Storage in basements	10l			
Storage in retail areas	Up to 200 m ² - 60 l	Risk assessment required due to risk of explosion	General duty of care under Section 5 and Duty of Care Principle Section 62	
	200 m ² to 500 m ² - 200 l			
	Over 500 m ² - 300 l			
	Up to 300 l in F30 cabinet, up to 500 l in F90 cabinet			
Storage in work areas	Up to 5 l without cabinet, up to 20 l in steel cabinet, up to 300 l in F30 cabinet, up to 500 l in F90 cabinet			
Storage in garages				20 l in small garages up to 100 m ² , not permitted in larger garages
Storage outdoors	Active storage – distance of 10 m from building; passive storage up to 200 l – distance of 3 m; passive storage up to <1000 l – distance of 5 m from building	Risk assessment required due to risk of explosion		

Transporting petrol

The following regulations must be observed when transporting petrol (see page 34). They go above and beyond the scope of requirements for transporting diesel fuel.

- Maximum quantity as defined in table 1.1.3.6 ADR (1000 point rule) is 333 l. For quantities greater than this, a dangerous goods driving licence is generally required and the German Craftsman Regulation in accordance with ADR 1.1.3.1 c) no longer applies.
- Mobile fuel filling stations with ADR approval require this for packaging groups II and III.

Transferring and filling petrol

The Ordinance on Industrial Safety and Health (BetrSichV) is the German implementation of European Directive 95/63/EC and regulates the provision of equipment by the employer. This also includes the risk assessment of the equipment, which in turn includes the assessment of the risk of explosion in accordance with TRBS 2152 Part 1. If the formation of hazardous, explosive atmospheres cannot be prevented with certainty, the employer is to assess the following:

1. the probability and duration of the occurrence of a hazardous, explosive atmosphere,

2. the probability of the existence or creation and the coming into effect of ignition sources, including electrostatic discharges, and
3. the extent of the effects to be expected from explosions.

The assessment must refer to the specific local and operating conditions.

Note: More than 10 litres of contiguous explosive atmosphere in enclosed spaces must be viewed as a hazardous explosive atmosphere, regardless of the size of the space.

What does this mean for you in your day-to-day work?

In general, the transferring and filling of petrol must be done in well ventilated rooms or outdoors.

According to the Ordinance on Industrial Safety and Health, you should only provide devices/equipment that are state of the art. In addition, you should pay special attention to the risk assessment when handling petrol. The best option for reducing the risk is never to allow a contiguous explosive atmosphere of more than 10 litres to form in the first place. The current state of the art only enables this to be achieved inside containers in use by means of explosion-suppressing inserts.

Another option is to prevent the explosive atmosphere from being ignited by ignition sparks by placing flame arresters into the container openings.

If the container has an explosion-proof design, neither an explosion-suppressing insert nor a flame arrester is required up to a container size of 1000 l. As a rule, explosion-proof containers are made from thick-walled sheet steel, although they have the disadvantage of being very heavy.

Should you use equipment that is manufactured without explosion-suppressing inserts or flame arresters, the probability of the existence or creation and the coming into effect of ignition sources, including electrostatic discharges, is to be especially assessed. In practice, this is very difficult to achieve with changing types of work (forest, road, constructions sites or in the workshop). As a rule, the creation of sources of ignition and electrostatic charge cannot be fully prevented and therefore ruled out safely enough.

We therefore recommend using canisters or containers > 10 l, which are not designed to be explosion-proof, with explosion-suppressing inserts or flame arresters. Important information related to risk assessments can be found in the operating instructions for CEMO petrol tank systems. This will make it easier for you to fulfil your obligations as an employer.



Fuel tank systems, stationary and mobile [PG 4]

Single tank system

KS-Mobile double-walled

- for mobile outdoor and indoor use
- Approval no. D/BAM 6599/31A (400 l and 600 l), D/BAM 6600/31A (980 l)
- 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 loops
- forklift tubes
- guard ring for pump system
- dip stick
- discharge line R 1", lockable
- ventilation pipe R 2", lockable
- filling connection R 2", lockable
- leak detector
- limit indicator
- long, removable ventilation pipe (3 m above ground)

Examination every 2½ years (see ADR 6.5.4.4.1 b). CEMO offers professional training courses on the subject.

KS-Mobile double-walled



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



explosion pressure resistant

Mobile tank systems for bio-ethanol on request.

double sided hot-galvanized model	Capacity l	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
1. without pump hood, completely installed (except pump etc.)	400	96 x 96 x 114	211	7754
	600	96 x 96 x 141	253	7755
	980	121 x 121 x 141	300	7756
2. with lockable pump cabinet, completely installed (except pump etc.)	400	96 x 96 x 150	229	7760
	600	96 x 96 x 177	271	7761
	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
 Adhesive label set for DT-Mobil 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).








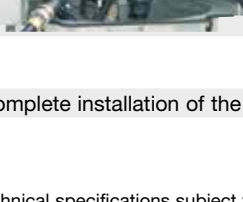

* National installation laws and conditions are to be observed. We will be happy to advise you.

Technical specifications subject to change.



Fuel tank systems, stationary and mobile [PG 4]

Accessories suitable for mobile fueling systems  (special pumps e.g. for bioethanol or aircraft fueling on request.)

Designation		Order no.
	Hand pump, 40 l/min, ATEX with outlet manifold and 4 m filling hose	7842
	Electric pump, approx. 40 l/min, ATEX, 12V, with automatic delivery nozzle, 4 m filling hose	10257
	Electric pump, approx. 40 l/min, ATEX, 230V, with automatic delivery nozzle, 4 m filling hose	10259
	Electric pump, approx. 40 l/min, with metre, ATEX, 12V, with automatic delivery nozzle, 4 m filling hose	10258
	Electric pump, approx. 40 l/min, with metre, ATEX, 230V, with automatic delivery nozzle, 4 m filling hose	10260
	Electric pump, approx. 50 l/min, ATEX, 12V, with automatic delivery nozzle, 4 m filling hose	7828
	Electric pump, approx. 50 l/min, ATEX, 24V, with automatic delivery nozzle, 4 m filling hose	7829
	Electric pump, approx. 50 l/min, ATEX, 12V, with metre, automatic delivery nozzle, 4 m filling hose	8127
	Electric pump, approx. 50 l/min, ATEX, 24V, with metre, automatic delivery nozzle, 4 m filling hose	8128
	Electric pump, approx. 60 l/min, ATEX, 230V, with automatic delivery nozzle, 4 m filling hose	8129
	Electric pump, approx. 60 l/min, ATEX, 230V, with metre, automatic delivery nozzle, 4 m filling hose	8130
Complete installation of the KS-Mobile with pump		8379



Canisters [PG 4]



NEW

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 l

Canister 25l with delivery nozzle pump

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



Canister 25l with manual hand pump



- ① Jagged ring for securing the locking cap
- ② Ventilation valve
- ③ Delivery nozzle holder



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



Canister 10l with Tank-Stop

Canister 5l with Tank-Stop

Canister 6l with Tank-Stop and 2.2l oil compartment

Canister with Tank-Stop Safety System

- HDPE container
- with filling system for safe fuelling
- no tank overflow
- no fuel spillage
- filling tubes automatically close after filling
- safety lock to prevent unintentional opening

Canisters

Designation/ Capacity	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
Canister 5l with Tank-Stop	22 x 16.5 x 25.5	0.5	10102
Canister 6l with Tank-Stop and 2.2l oil compartment	34 x 16 x 31	1.3	10118
Canister 10l with Tank-Stop	29 x 20 x 29	0.8	10121
Canister 25l with manual hand pump	36 x 24 x 43	2.1	10046
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
Double canister "Profi" 6l/3l, nature with saddlebag and safety filling system Fuel + Oil	36 x 20 x 30	1,7	10449

Graduated price	rabate				
	3 %	5 %	8 %		
Designation	Order no.	quantity	quantity	quantity	
%	Canister 5l	10102	3	8	16
	Canister 6l/2,2l	10118	3	6	12
	Ex0 Canister 10l	10268	3	5	10
	Ex0 Canister 20l	10269	3	5	10

Technical specifications subject to change.



Fuel trolley [PG 4]

Fuel trolley 95l

- 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
- patented flame suppressive filling
- integral grip and carry handles
- filling cap with integral breather valve
- delivery hose with stop valve
- handpump 25l/min with 3 m conductive delivery hose and nozzle
- 300mm diameter pneumatic tyres, air-filled, all-terrain
- internal baffle
- integral nozzle holder
- moulded recesses for strapping during transport



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

Fuel trolley 53l

- UN approved for the transport of fuel
- HD-PE container 53 l with wheel and handle for maneuverability
- container constructed from high density electrically conductive polyethylene to eliminate static (optional)
- delivery nozzle pump, 7.5 l/min, with 3 m delivery hose and locking catch for the trigger guard
- baffle
- filling tubes with integrated ventilation
- 2 shut-off valves for problem-free dismantling of the delivery hose
- integrated recesses for securing the trolley with ratchet lashing strap during transport



Fuel trolley

Designation/Capacity	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
Fuel trolley 53l	87 x 42 x 33	9	10047
Fuel trolley Ex0* 53l	87 x 42 x 33	11	10421
Fuel trolley Ex0* 95l	100 x 59 x 43	25	10162



* container constructed from high density electrically conductive polyethylene to eliminate static

Graduated price		rabate 3 %		rabate 5 %		rabate 8 %	
Designation	Order no.	quantity	quantity	quantity	quantity	quantity	quantity
% Fuel trolley 53l	10047	3	5	10			

Technical specifications subject to change.



KS-Mobile Easy [PG 4]



Example of use: water and motor sports

KS-Mobile Easy 120l and 190l

- approved for transport under ADR
- Approval No. D/BAM 14341/31H2
- 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 tube
- integral ventilation and pressure relief
- integral forklift pockets
- integral handles
- integral recesses for tensioning belt during transport

Pre-assembled pump:

- 25 l/min hand pump, 2.7 m filling hose (statically conductive) and manual nozzle
- self-priming electric pump 12 V DC, 40l/min, ATEX-approved, automatic delivery nozzle, 4 m filling hose (statically conductive) and 4 m electrical cable

KS-Mobile Easy 190l with manual pump and flap lid



with ADR approval

Petrol and petrol mixtures



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



KS-Mobile Easy 120l with hand pump



KS-Mobile Easy 190l with electric pump

KS-Mobile Easy

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

Technical specifications subject to change.



KS-Mobile [PG 4]



Example of use: agriculture and forestry

KS-Mobile 90l and 200l

Individual refuelling systems for mobile use indoors and out.

- approved for transport under ADR
- Approval No. D/BAM 13136/31A (90l), D/BAM 13137/31A (200l)
- explosion shock proof construction (TÜV-tested), therefore also suitable for petrol and oil/petrol mixtures
- single-wall steel container from 3mm sheet steel, painted
- with handles that can also be used as crane loops
- forklift pockets
- pump box
- hand pump 25 l/min, 1.5 m discharge hose (statically conductive) and manual nozzle
- delivery/ventilation line lockable
- filling connection lockable

with ADR approval

Petrol and petrol mixtures



explosion pressure resistant



KS-Mobile 200l



KS-Mobile 90l



Pump cabinet with hand pump 25 l/min, 1.5 m discharge hose and manual nozzle

KS-Mobile

Designation /Capacity	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
KS-Mobile 90l with hand pump 25l/min	80 x 40 x 74	60	8840
KS-Mobile 200l with hand pump 25l/min	80 x 60 x 95	77	10025

Technical specifications subject to change.



Filling stations and tank systems AdBlue® resp. DEF







Tank systems for AUS 32 (AdBlue®) resp. DEF (p. 64 - 79)



Blue-Mobile Easy
The practical solution for fuelling vehicles when used on construction sites or in the field.

- 125 l - 600 l
- no ADR approval is required for transport



Outdoor tank system for AdBlue®

- double walled GRP safety tank DWT 2,350 l
- only 86 cm wide
- for tight spaces or for the tank island



"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



"Indoor Ultima" additionally with:

- automatic tank station MC, 120 users
- hose reel with 6 m filler hose
- greater functionality and convenient



NEW

CUBE-Tank Basic and Premium

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



"Outdoor Basic" and "Outdoor Ultima"

- weatherproof
- attractive
- heated
- everything lockable



Double wall horizontal tank from GRP

- tank sizes from 4,000 l to 30,000 l
- double-walled from GRP, weather-proof for outdoor setup
- for separate dispensing pumps if the tank has no space on delivery location



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



Cematic Blue pump system for 220 l drums

- complete system
- simple
- inexpensive



Bluetroll Mobil

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



Bluefill

- mobile car fuelling system in the workshop



Filling stations for urea solution AUS 32 (AdBlue®)

Basics and requirements for AdBlue® filling stations

Aqueous urea solution AUS 32 (trade name AdBlue®, for example) is a non-hazardous chemical substance as defined in the German Ordinance on Hazardous Substances.

AdBlue® must not be exposed to direct sunlight. The optimal storage temperature is between - 5°C and + 20°C.

It freezes at -11°C and should not be stored for longer periods above +30°C, because vaporisation of ammonia increases with temperature and the urea concentration decreases.

All parts in contact with fluids must be made of stainless steel or approved plastics, because the urea solution is highly pure and must correspond to ISO 22241. CEMO tank systems meet this requirement.

AdBlue® is classified as a low hazard to water (water hazard class 1). Consequently, the relevant provisions of the laws pertaining to water and waterways apply. These were summarised by the German Association for Water, Wastewater and Waste (DWA) in technical rule **TRwS 781-2**. It covers the filling of vehicles with aqueous urea solution from stationary storage tanks as well as mobile tanks used at a fixed location in filling stations for vehicles, both for public filling and private filling stations.

The capacity constitutes the state of the art and is binding for all operating companies, both for existing tank systems as well as for new systems to be established.

In all cases, contamination of the light oil separator or the sewer system by AdBlue® must be avoided.

Thus for filling storage tanks and fueling vehicles a filling area which is impermeable to fluids with an effective range according to TRwS 781: 4.1.2 is required.

Storage containers

- For volumes greater than 1,000 litres, the tank must be double-walled or a means of retention must be present. In some German federal states, a single-walled container up to 10,000 litres is permitted according to the German Ordinance for Facilities and Companies Handling Substances Hazardous to Water (VAwS). Please clarify the requirements which apply to your local water authorities.

We will be happy to advise you.

- Storage tanks must be equipped with an approved overfill protection system.
- Collision protection, for example as kerb, guard rail, large stones or similar.

Filling of vehicles with AdBlue®

- Nozzles with automatic shut-off must be used.
- The retention capacity of the necessary filling area must constitute 5 min of the maximum pump delivery rate and at least the maximum defined delivery volume with the use of an automatic pump.
- If this retention volume is not present without AdBlue® getting into the light oil separator or sewer system, then the requirement is considered met, only if the locking catch of the nozzle is removed and it is ensured that the filling hose cannot be run over.

Filling the storage tank

- For a filling area in the open, rainwater need not be considered in the calculation of retention volume when the area is covered.
- The necessary retention volume with the use of a filling hose safety system amounts to $R1 = 0.1 \text{ m}^3$; for filling using equipment with a safety button which must be held down while filling and an emergency shutoff function $R1 = 0.9 \text{ m}^3$
- The entire retention capacity present can be filled up to the oil separator if a closure is present at a suitable position before it, which can be closed during the filling of the large tank.

TIPP

- **No retention capacity is required if:**
 1. **Filling hoses are in accordance with the German Technical Regulations for Flammable Liquids (TRbF) 50 Appendix B or Directive 97/23/EC are used and operated in accordance with Bulletin T002 of the Employment Accident Insurance Fund of the Chemical Industry (BG Chemie)**
 2. **Full hose delivery equipment with dry coupling is used**
 3. **An immobiliser is used on the tank vehicle**
 4. **Filling of the storage tanks takes place on a filling area compliant with TRwS 781**
 5. **The filling hose cannot be run over (for example, automatic hose reel with spring return without pawl).**

The points listed are abbreviated excerpts from the cited and general regulations in some cases with no guarantee of completeness.

The complete, original wording of all applicable regulations can be viewed free of charge in the rules and regulations service of TÜV SÜD Industrie Service GmbH at http://www.netinform.de/GW/Recherche/Uebersicht_RW.aspx





CUBE-AdBlue®-Tank [PG4]

NEW

Dispensing station for AdBlue®, Basic and Premium

- with general construction inspection approval Z-40.21-510
- comprising integral sump
- optical bund alarm
- 2" dry tanker coupling
- electronic overfill sensor
- analogue contents gauge
- 230V electric pump 35 l/min
- automatic nozzle with integral nozzle holder
- fully assembled
- all devices wired ready to connect into a terminal box



CUBE-AdBlue®-Tank
1,500l,
Outdoor Premium

CUBE-AdBlue®-Tank
2,500l,
Indoor Basic



CUBE-AdBlue®-Tank

Designation	Capacity l	External Dimensions cm (w x d x h)	Weight kg	Order No.
CUBE-AdBlue®-Tank Indoor Basic 6m delivery hose, without hinged lid	1500	120 x 115 x 174	165	10301
	2500	120 x 180 x 174	220	10302
CUBE-AdBlue®-Tank Indoor Premium, hose reel with 8m hose, K24 digital flow meter	1500	120 x 115 x 180	190	10434
	2500	120 x 180 x 180	250	10435
CUBE-AdBlue®-Tank Outdoor Basic, 6m delivery hose, incl. hinged lid, Winter Pack Mid-Europe ¹	1500	120 x 115 x 180	190	10303
	2500	120 x 180 x 180	250	10304
CUBE-AdBlue®-Tank Outdoor Premium, hose reel with 8m hose, incl. hinged lid, insulation, K24 digital flow meter, Winter Pack Mid-Europe ¹	1500	120 x 115 x 180	205	10305
	2500	120 x 180 x 180	265	10306
CUBE-AdBlue®-Tank Extension Indoor: comprising integral sump, optical bund alarm, 2" dry tanker coupling, electronic overfill sensor, level indicator, with connection kit to first tank, <u>fully assembled</u>	2500	120 x 180 x 180	220	10436
CUBE-AdBlue®-Tank Extension Outdoor, comprising integral sump, optical 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

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

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

Technical specifications subject to change.



CUBE-AdBlue®-Tank [PG4]



CUBE-AdBlue®-fueling system 5,000l, consisting of:

- CUBE-AdBlue®-Tank 2,500l Outdoor Premium (10306)
- Extension Outdoor 2,500l (10307)



CUBE-AdBlue®-Tank, Outdoor Premium



CUBE-AdBlue®-Tank, Outdoor Basic



CUBE-AdBlue®-Tank, heating and thermostat



Accessory LED instrument lighting



Accessory hose reel



Accessory K24 digital flow meter

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

Designation	Order No.
Hose reel with 8 m hose made from EPDM, DN19	10431
Digital flow meter K24, plastic, 6 - 100 l/min, 1" outer thread, with 90° angle piece for direct attachment to the pump	10274
LED instrument lighting with motion sensor and battery	10378
Flap lid blue, complete with gas pressure spring and installation accessories	10437

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Technical specifications subject to change.



Indoor/Outdoor tank systems for AUS 32 (AdBlue®)

[PG 4]

Indoor-Tankanlage für AUS 32 (AdBlue®)

System completely installed consists of:

- double-walled GRP safety tank DWT2350 made of special resins, transparent tank wall, grey lid, dome cover made of stainless steel
- K24 electric flow meter with display
- tanker connection with 2" dry coupling stainless steel
- ventilation and extraction with filter
- electronic overflow protection
- pump approx. 30l/min
- 6 m filling hose, DN 19
- automatic delivery nozzle made of stainless steel with swivel joint
- nozzle holder and hose clamp
- pump and overflow protection complete connection wired in a terminal box and tested

Outdoor tank system for AUS 32 (AdBlue®)

The system consists of:

- double-walled GRP safety tank DWT
- flow metre with display
- tanker connection with 2" dry coupling
- aeration / deaeration with filter
- stainless steel tank heater with processor-controlled regulating electronics
- overflow protection
- pump cabinet with heater
- pump approx. 30 l/min
- 4 m filling hose, DN 19
- pneumatic filling level indicator
- automatic delivery nozzle made of stainless steel with swivel joint

The air gap between the inner and outer wall of the double-wall tank (**sandwich technology**) provides excellent **heat insulation**. In combination with the tank heater specially developed for AdBlue®, this enables **outdoor installation** even in winter. Use between **-20 °C and +40 °C** (for short periods -30 °C to + 50 °C). The tank has a grey coating to protect the liquid from exposure to light. Vacuum leak detector for monitoring both tank walls available as an option (see accessories for DWT diesel tank systems).



Indoor tank system



Outdoor tank system



Double-wall – thus no bund needed approved for water-protected areas!



DWT 2350 grey



DWT 2350 beige, transparent tank wall



Outdoor tank system without pump cabinet



Indoor/Outdoor tank systems for AUS 32 (AdBlue®)

[PG 4]

NEW

Indoor tank system DWT 2350I as described left, completely installed from GRP, double wall, from special resin, tank flushed with deionised water

Capacity l (gross)	Maße approx. cm (l x w x h)	Weight approx. kg	Order no.
2350	208 x 86 x 210	130	10212

Outdoor tank system DWT 2350I as described left, completely installed from GRP, double wall, from special resin, tank flushed with deionised water





Capacity l (gross)	Maße approx. cm (l x w x h)	Weight approx. kg	Order no.
2350	220 x 86 x 230	160	8516

DWT tank, double-wall

made of special resin, tank flushed with deionised water, without dome lid

Designation	Maße approx. cm (l x w x h)	Weight approx. kg	Order no.
① DWT 2350 grey	200 x 86 x 180	110	8131
② DWT 2350 beige transparent tank wall, grey lid, suitable for use in buildings	200 x 86 x 180	110	8580

Accessories for DWT 2350I

Designation	PG	Order no.
 <p>Floor support with studs as buffers and for ventilation of the support surface</p>	4	7731
 <p>Dome lid DWT stainless steel, connections 2 x elbow with 2" external thread, 2" half sleeve, 1" half sleeve, ¾" half sleeve, M40 x 1.5, M20 x 1.5</p>	3	8346
 <p>2" PE spray pipe in tank (smoothing inlet)</p>	3	8403
 <p>Tank heater 230 VAC, 16 A, approx. 2.3 KW</p> <ul style="list-style-type: none"> • Microprocessor controlled regulation for tank and pump cabinet heating • LED display for indicating the current liquid temperature and displays type of fault if one occurs • connection terminals for heaters and if req'd further electrical consumption • regulation of the liquid temperature to a min. of - 5°C, while at the same time limiting the temperature of the stainless steel heater body to + 35°C; thus preventing any vaporisation of ammonia • control of the air temperature in the pump cabinet to + 5°C • potential-free contact for alarm transmission 	3	8023

Additional accessories such as vacuum leak indicator for monitoring both tank walls, level indicators, etc. are found on pages 22,73 and 74 et seq.



Filling stations for urea solution AUS 32 (AdBlue®)

[PG4]

Indoor tank system for AUS 32 (AdBlue®)

The system is designed as a private consumption filling station for indoor installation.

Tank Approval no. DIBt: Z-40.21-241

Indoor tank system consists of:

- single-walled banded tank made of HDPE, blow-moulded
- console with nozzle and hose holder
- tanker connection with 2" dry coupling
- aeration / deaeration with filter
- overfill protection
- pump approx. 30l/min with electronic metre
- flowmetre with display
- 4 m filling hose, DN 19
- automatic delivery nozzle made of stainless steel with swivel joint

Please observe the local water, commerce and construction legislation and regulations. A separate retention means or collection tray may be necessary.



PE banded tank
economical ·
space-saving ·
high chemical resistance ·
stabile · 5000 l

Indoor tank filling station, fully assembled with GRP bund 5,500l as accessory



Console with pump, nozzle and hose holder



PE banded tank "Basic"



Indoor tank filling station* as described above, fully assembled made of high density polyethylene, horizontal bands, four 2" internally threaded connections.

Capacity l (brutto)	Dimensions approx. cm (l x w x h)	Weight approx. kg	Order no.
5,000	260 x 135 x 220	260	8514

* Delivery time by agreement

PE banded tank "Basic"

made of high density polyethylene, horizontal bands, four 2" internally threaded connections.

Capacity l (brutto)	Dimensions approx. cm (l x w x h)	Weight approx. kg	Order no.
5,000	239 x 135 x 198	240	8259

Accessory for indoor tank filling station and PE banded tank "Basic" 5,000l

Designation	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
GRP bund 5,500 l with tank approval no. DIBt: Z-40.12-471	298 x 159 x 134	165	8321

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Technical specifications subject to change.



Filling stations for urea solution AUS 32 (AdBlue®)

[PG4]

Convincing arguments:

- individually expandable modular system from Indoor Basic to Outdoor Ultima – this allows you to adapt the installation to your growing needs over time
- long service life, because GRP is weatherproof and UV-resistant

- ideal safety: all fluid-conducting parts are located within the collection tray
- space-saving rectangular design
- light-coloured roof, which results in little heating when exposed to the sun
- no restrictions in the temperature range
- simple access to the control elements

- smooth, stable outer surfaces
- ideal price/performance ratio
- complete connection, assembled

"Indoor Basic"

- approved tank 5,000l, DIBt no. Z-40.21-241
- stainless steel bracket
- pump approx. 30 l/min, 230 V
- electronic overflow protection
- nozzle holder
- hose holder
- dry coupling G2"
- 4m filling hose EPDM, DN 19
- automatic delivery nozzle with swivel joint, stainless steel

"Indoor Ultima"

- approved tank 5,000l, DIBt no. Z-40.21-241
- stainless steel bracket
- pump approx. 30l/min, 230 V
- electronic overflow protection
- nozzle holder with drip pan
- dry coupling G2" for filling
- automatic delivery nozzle with pivot joint, stainless steel
- automatic tank station MC, 120 users, for access control, tank data management and indicated quantity display (accessory for tank data transfer and magnetic key (green) for user, see page 85)
- electronic level indicator Smart Box 1
- hose reel with 6m filler hose
- delivery nozzle switch
- 230V socket for service work or power supply for further accessories



Tank station "Indoor Basic"



Tank station "Indoor Ultima"

(Figure: variant with GRP collection tray (as accessory, see page 70))



Console for "Indoor Basic" with further accessories



Console for "Indoor Ultima"

Figure similar

Figure similar



Accessory see page 73: pump cabinet can be mounted on the wall.

Tank stations "Indoor Basic*" and "Indoor Ultima*"

Designation	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Tank station "Indoor Basic"	266 x 135 x 220	270	8696
Tank station "Indoor Ultima"	275 x 135 x 220	290	8697

* delivery time upon agreement

Accessory GRP collection tray see page 70.**Further accessories see page 73 ff.**

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

Technical specifications subject to change.



Filling stations for urea solution AUS 32 (AdBlue®) 5,000 l with roof [PG4]

Equipment:

- collection tray 5,500 l
- tank approval no. Z-40.12-471
- insulated, attractive GRP roof; removable for servicing
- generous, weatherproof access flap
- electric interior heater for winter operation
- electronic leak detector



Tank station "Outdoor Basic" with accessory



simple access to control elements

complete connection, assembled

simple access to control elements

lockable access flap

space-saving rectangular design

smooth, stable outer surfaces

long-lived, because GRP is weatherproof and UV resistant

ideal safety – all fluid-carrying parts are located within the collection tray


can be erected without a crane, using a fork-lift truck, front-end loader, excavator or similar device will suffice



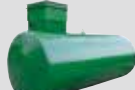
Tank stations "Outdoor Basic*" and "Outdoor Ultima**"

Designation	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Tank station "Outdoor Basic", consisting of "Indoor Basic" (order no. 8696) with collection tray, roof, leak detector, heater for the interior and adjustable ventilation grilles	300 x 160 x 225	515	8698
Tank station "Outdoor Ultima", consisting of "Indoor Ultima" (order no. 8697) with collection tray, roof, leak detector, heater for the interior and adjustable ventilation grilles	300 x 160 x 225	535	8699

* delivery time by agreement



Double-walled horizontal tanks made from GRP, 4,000 l to 30,000 l on request





Double-walled safety underground tanks according to DIN 6608/2, inner tank stainless steel V2A, 1.4301 on request






Accessories for filling stations AUS 32 (AdBlue®)

[PG4]








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

Designation	Order no.
 <p>Hose reel fully assembled cross member of stainless steel, 6 m hose DN 19, hose guide</p>	8863
 <p>Delivery nozzle switch fully assembled with cable approx. 1 m to terminal box</p>	8864

Accessories for PE banded tank "Basic"

 <p>Fixed tanker connection with filling pipe and 2" stainless steel dry coupling, ventilation with cartridge filter, mesh width 3 µm, replaceable cartridge</p>	8390
 <p>Removal unit, hose 2 m with foot valve, installation thread 2" ET, connection 1" IT</p>	8865
 <p>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</p>	10058

Accessories for filling stations AUS 32, general

	Filling hose EPDM, DN 19, per metre	8248
	Suction hose EPDM, DN 20, per metre	8387
	Plastic foot valve with connection nozzle DN 19	8388
	Accessory hose clip, stainless steel	8249
 <p>ELAFLEX ZVA AdBlue 8.0 nozzle, with swivel joint, connection 1" externally threaded, with magnetic switch for "ELAFIX" magnetic adapter</p>	8019	
 <p>Automatic delivery nozzle SB325, plastic, with swivel joint, connection nozzle DN 19</p>	10190	
 <p>Accessory stainless steel spout with misfilling system and magnetic adaptor for SB325, prevents from misfilling the diesel tank</p>	10452	
 <p>Accessory solenoid adapter for AZV AdBlue® with solenoid switch</p>	10192	
 <p>Automatic delivery nozzle with swivel joint, made completely from plastic/stainless steel, connection nozzle DN 19</p>	NEW 10422	
 <p>Accessory: plastic hand dispenser, polypropylen (PP) body, stainless steel valve, Viton gaskets, connection port DN 19, stainless steel spout 19 mm</p>	8333	
 <p>Pneumatic filling level indicator, display 0 - 100 %</p>	8020	

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

Technical specifications subject to change.



Accessories for filling stations AUS 32 (AdBlue®)

[PG4]




Accessories for filling stations AUS 32, general

Designation	Order no.
 <p>Digital turbine meter FMT II, Type open collector, pulse out 25 p/l, material POM, 5 - 90 l/min, ports 1" BSP male, intake on the right</p>	10451
 <p>Turbinox electric flowmetre, 10-40 l/min, stainless steel housing, HDPE turbine wheel, calibratable, inlet 1" external thread, outlet connection nozzle DN 19, multi-functional remote display with operating controls, extendable cable</p>	8395
 <p>Turbinox electric flow metre with pulse output Description as in d. Pulse output NPN open collector, 4-12 VDC, 0.5 A, settings are 1, 2, 5, 10, 20, 50 or 100 pulses per litre</p>	8187
 <p>K24 electric flow metre, plastic, 6 - 100 l/min, 1" external thread</p>	8609
 <p>Plastic swivel joint, 1" external thread, matches K24</p>	8610
 <p>Plastic 90° hose connector, DN 19, matches K24</p>	8611
 <p>Plastic 90° hose connector, 1" external thread on sleeve, DN 19</p>	8612
 <p>DN 19 hose connecting piece with locknut</p>	8731
 <p>90°elbow with locknuts for K24 metre</p>	8732
 <p>Connecting piece, straight with locknuts for K24</p>	8733
 <p>Electronic overfill protection, 230 VAC comprises evaluation unit and probe housing protection category IP 30, fitting 1" and 3/4", reduction 2" to 1", probe 500 mm</p>	7330
 <p>Electronic overfill protection, 230 VAC, comprising evaluation unit and probe, housing protection category IP 65, fitting 3/4", probe 500 mm</p>	8247
 <p>Dry coupling, 2" internal thread, stainless steel, with dust cap</p>	8389
 <p>Smartbox 1 electronic filling level indicator, 230 VAC, IP 30, with hydrostatic probe</p>	8392
 <p>Smartbox 2 electronic filling level indicator, 230 VAC, IP 30, with hydrostatic probe, 2 relay outputs</p>	8393
 <p>Analogue data transfer module 4 -20 mA, DTM-3, for Smartbox</p>	8394



Accessories for Tankanlagen AUS 32 (AdBlue®) [PG4]

Accessories for Tankanlagen AUS 32, allgemein

Designation	Order no.
 <p>Electronic level indicator OCIO, 230 V, IP 55, 2 relay outputs</p>	10219
 <p>Hose reel with pivot arm, 10 m hose DN 19, max. 20 bar, connection pivot joint 1" external thread, hose end open, stainless steel, dimensions 58 x 55 x 30 cm</p>	8342
<p>Swivel arm for hose reel, swivel angle approx. 80° (to 8342)</p>	8339
 <p>Hose reel with pivot arm, 6 m hose DN 19, max. 20 bar, chassis painted sheet steel, roll from ABS plastic, swivel joint and fittings stainless steel, connection 1/2" internal thread with hose sleeve DN 20, hose end open, dimensions 46 x 45 x 20 cm</p>	8866
<p>Swivel arm for hose reel, swivel angle approx. 80° (to 8866)</p>	8341

Bluefill for AUS 32 (AdBlue®) [PG4]

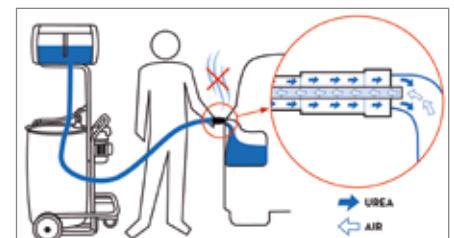
Mobile car fuelling system for the workshop

- no dripping and no soiling thanks to sealed system between the drum and storage container and the storage container and vehicle tank
- mobile and easy to use
- upper storage container with capacity scale and overflow back into the drum
- pump 230 V for filling the storage container from the drum
- two-hose system for gravity fuelling and venting back into the container
- simple and clean fuelling with coupling according to ISO 22241
- with suction pipe for the drum and suitable SEC dry coupling on the suction hose



Accessories:
2-piece
suction pipe
with SEC
coupling

Drum not
included in
the scope
of delivery.



No contamination of urea deposits since the car PKW AdBlue®-Tank system is vented directly into the main container.



Bluefill

Designation	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Bluefill – mobile car fuelling system for the workshop, chassis for 220-l drums, pump 230 V, storage container over the drum with capacity scale, hose system with coupling for the vehicle tank	83.5 x 88 x 200	52	10240

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

Technical specifications subject to change.



Cematic Blue pump systems [PG4]

Compact filling system for urea solutions AUS 32 (AdBlue®) supplied from an IBC.

- high-quality diaphragm pump from plastic, delivery rate approx. 30 l/min. supply voltage 230 VAC
- pump self-priming
- filling hose 6 m
- delivery nozzle holder with drip container
- suction hose 1.5 m with SEC coupling
- mounted completely on a stainless steel bracket which can be easily moved from tank to tank



IBC collection tray, accessory



Figure with separate K 24 counter accessory (order no. 10274)

Drum not included in the scope of delivery.

Cematic Blue pump system and Bluetroll Mobile

Designation	Order no.
① Cematic Blue pump system BASIC AZV, with universal bracket for IBCs as described above, suction hose 1,5 m with SEC coupling	10215
② Cematic Blue pump system for drums 220 l as described above, suction hose 0,5 m with SEC coupling and adapted suction pipe	10276
③ Bluetroll Mobile, mobile tank system for drums, consisting of a painted chassis, with steering and fixed castors and the Cematic Blue pump system BASIC AZV and adapted suction pipe	10277

Graduated price	Order no.	rabate 3 % quantity	rabate 5 % quantity	rabate 8 % quantity
Designation / Type				
Cematic Blue BASIC AZV	10215	3	6	12
Cematic Blue for drums 220 l	10276	3	6	12

Accessories Cematic pump systems

Designation	Weight approx. kg	Order no.
④ IBC collection tray 1100/1-PE, from high-quality polyethylene, forklift- accessible (not for transport in filled state) DIBt approval Z-40.22-451	75	8581
IBC collection tray 1100/2-PE with PE perforated plates for two IBCs, from high-quality polyethylene, forklift- accessible (not for transport in filled state), DIBt approval Z-40.22-451	120	8583
+ Digital flow meter K24 plastic, 6 - 100 l/min, 1" internal thread, 90° elbow for direct attachment to the pump	0.5	10274
2-piece suction pipe for IBC and 220 l tanks (can be shortened), suitable for SEC and CDS coupling, S 56 x 4 thread	0.5	10201
SEC coupling with angled hose sleeve DN 19	0.3	10256

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

Technical specifications subject to change.



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



Blue-Mobile Easy for AUS 32 (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 (resp. DN 150, type 600 l) with screw cap
- integral breather valve
- integral forklift apertures
- integral carry handles
- self priming 12V electric chemical pump approx 30l/min, 4 m fly leads, with terminal clamp
- 4 m delivery hose
- manual nozzle or automatic nozzle



Insulation pack with Blue-Mobile Easy 200l



Automatic polymer/stainless steel nozzle



Manual polymer nozzle

Blue-Mobile Easy

Designation	External dimensions cm (l x w x h)	Weight approx. kg	electric pump 12V	electric pump 24V
			Order no.	Order no.
Blue-Mobil Easy 125 l, with manual nozzle	80 x 60 x 45	21	10168	10169
① Blue-Mobil Easy 125 l, with automatic nozzle	80 x 60 x 45	22	10195	10196
Blue-Mobil Easy 125 l, with automatic nozzle and flap lid	80 x 62 x 47	25	10314	-
Blue-Mobil Easy 200 l, with manual nozzle	80 x 60 x 59	22	10170	10171
Blue-Mobil Easy 200 l, with automatic nozzle	80 x 60 x 59	23	10197	10198
② Blue-Mobil Easy 200 l, with automatic nozzle and flap lid	80 x 62 x 61	26	10315	-
③ Blue-Mobil Easy 430 l, with manual nozzle	116 x 76 x 73	42	10172	10173
Blue-Mobil Easy 430 l, with automatic nozzle	116 x 76 x 73	43	10199	10200
④ Blue-Mobil Easy 600 l, with automatic nozzle, box with crane loops	116 x 80 x 102	51	10174	10175

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

Technical specifications subject to change.



Blue-Mobile Easy for AUS 32 (AdBlue®) [PG4]

Accessories for Blue-Mobile Easy

Designation	Weight approx. kg	Order no.
 Flap lid for Blue-Mobile Easy 125 l + 200 l, orange	4	8963
 Flap lid for Blue-Mobile Easy 430 l + 600 l, orange (can be hinged on right or left)	13	8833
 Oil-resistant anti-slip mat for DT-Mobile Easy 125 l and 200 l, oil- and weather-resistant	0.5	10166
 Oil-resistant anti-slip mat for DT-Mobile Easy 430 l and 600 l, oil- and weather-resistant	1	10167
 K24 digital flow meter, plastic, 6 - 100l/min, 1" male thread, with 90° elbow with union nuts, required for mounting at the pump	0.5	10274
 Insulation pack for Blue-Mobile Easy 125 l + 200 l, including CEMbox 400, grey/orange (order no. 10334), comprising 30 mm insulation panels on the walls and 20 mm on the floor. Space for battery (not included in the scope of delivery) for supplying power to the pump and the heating pad as needed.	33	10008
 Heating fabric 12 V, approx. 80W, 50 x 98 cm, IPX4, cable 2 m with universal connector NEW	0.7	10266
 Coupler cable 1 m, 2-wire, max. 8A, battery terminal clamps + socket 12V (SAE J563)	0.3	10267

AdBlue®-Trolley for AUS 32 (AdBlue®) [PG4]

NEW

AdBlue®-Trolley 100l

- blue container made from tested polyethylene with integral handle and carry handles
- filler neck with integrated ventilation
- wheels, Ø 300 mm, air-filled, all-terrain
- integrated sloshing baffle
- integrated delivery nozzle holder
- integrated recesses for securing with ratchet lashing strap during transport
- 4.4 m delivery hose with automatic delivery nozzle

- self-priming electric diaphragm pump, 12V, approx. 30l/min, 4 m connection cable with pole terminals



AdBlue®-Trolley for AUS 32

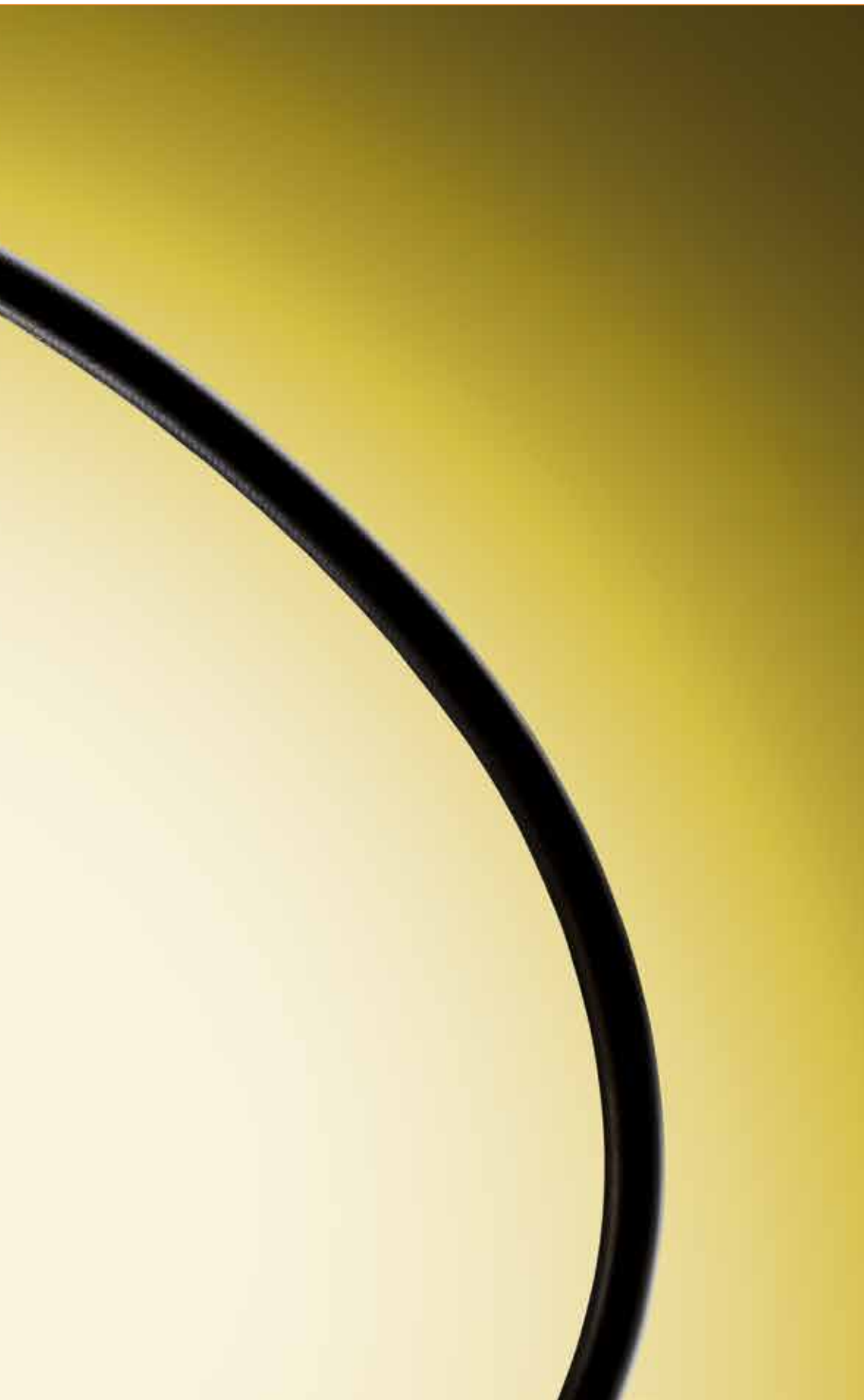
Designation	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
AdBlue®-Trolley 100l, with electric pump 12V, suction hose 4.4m and automatic nozzle	100 x 59 x 43	22	10322

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

Technical specifications subject to change.

Dispensing pumps 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.

Diesel / biodiesel pumps

diesel/biodiesel

Dispensing pumps

Recommended for easy filling of large annual diesel requirements where tank data management is a must.

CUBE pumps

Recommended for an annual diesel consumption between 10,000 and 250,000 litres wherever easy filling is required.

Cematic pumps

Recommended for an annual diesel consumption between 1,000 and 40,000 litres wherever easy filling is required without the need for integral tank data management.

NSA diesel pump

Electric fuel pumps – low-wearing pumps with a long service life.

Hand pumps

For diesel and lubricating oils.



Petrol pumps

fuels

ATEX/IECEx-certified pumps

for flammable liquids

Petrol, 2-stroke mixture, avgas, kerosene



Lubricant pumps

lubricants

Viscomat pumps

Lubricant pumps with high pressures for oils up to SAE 140.

Hand pumps

For lubricating oils.



Grease guns and bucket greasers

greases

Grease guns and lubricating devices operated manually and with compressed air for grease in buckets

Chemical pumps

chemicals

Drum pumps and pumps for IBCs

for acids, lyes and aggressive chemicals

AUS32 (AdBlue®)

Electric pumps

Electric pumps with stainless steel housing for AUS 32.

Hand pumps

Hand pumps for chemicals and urea solution AUS 32.



Water pump

water

Motor pumps

With a delivery rate up to 500 l/min.



Diesel dispensers [PG4]

diesel/biodiesel

Diesel dispenser 70 FM / 100 FM

- with transponder technology
- rotary vane pump with a delivery rate of 70 l/min or 90 l/min
- set up for 120 users
- diesel dispensing amounts can be preset
- option of inputting vehicle registration number and mileage
- management of date and time of dispensing
- PIN-code access control is standard
- local recording of the last 255 fuel dispensing events
- optional electronic key access control (see page 85)
- optional data transfer to PC by means of electronic key (see page 85)
- optional data transfer to PC by means of converter and data transmission cable up to a distance of 1000 m (see page 85)
- with printer for optional receipt printing when fuel is dispensed
- equipped with automatic dispensing nozzle for HGV
- 4 m filling hose, DN 25
- integrated tank level display with minimum and maximum level alarms
- integrated water separator 30 µm
- menu language English (for "German" language code, see accessories)



Display for dispensed quantity and tank level

Keypad for code input and quantity pre-selection

Automatic nozzle (HGV)

Receipt printer

Diesel hose 1" dia., 4 m long



electronic key



Receipt printer



Diesel dispenser

Designation	Flow rate l/min	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Diesel dispenser 70 FM	70	47 x 40 x 144	66	7824
Diesel dispenser 100 FM	90	47 x 40 x 144	75	8136

Accessories see page 85.

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 dispensers [PG4]

diesel/biodiesel

Diesel dispensers 70 MC + 100 MC

- rotary vane pump 230 V
- up to 80 users
- diesel dispensing amounts can be preset
- option of entering vehicle registration number and mileage
- management of date and time of dispensing
- PIN-code access control is standard
- local recording of the last 255 fuel dispensing events
- 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 up to a distance of 1000 m
- equipped with automatic dispensing, design approved in accordance with EN 13012
- 70 MC with passenger car outlet
- 100 MC with truck outlet
- 4 m filling hose, DN 25
- filter 30 µm with water separator
- menu language English (for "German" language code, see accessories)



Diesel dispensers 70 K44 + 100 K44



Diesel dispensers 70 MC + 100 MC

Diesel dispensers 70 K44 + 100 K44

- rotary vane pump with a delivery rate of 70 l/min or 90 l/min, 230 V
- mechanical volumetric litre metre, 4 digit
- equipped with automatic dispensing nozzle for HGV
- 4 m filling hose, DN 25
- with filter 30 µm with water separator



optional electronic key access control

Diesel dispensers

Designation	Dimensions cm (l x w x h)	Flow rate l/min	Weight approx. kg	Order no.
Diesel dispenser 70 MC	47 x 40 x 144	70	67	7930
Diesel dispenser 100 MC	47 x 40 x 144	90	75	8563
Diesel dispenser 70 K44	47 x 40 x 144	70	67	7931
Diesel dispenser 100 K44	47 x 40 x 144	90	75	8564

Dispensers for vegetable oil and lubricants on request.

We recommend that assembly and commissioning be performed by trained service technicians.






We would be delighted to give you details of technicians near you.

Technical specifications subject to change.

Diesel dispensers [PG4]

diesel/biodiesel

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

Designation	Order no.	
 <p>Converter (with PC-software for data transmission by means of a connection cable to the pump, USB interface)</p>	7890	
 <p>Key set (1 master key, 10 user keys green yellow, key reader with USB interface and PC software) for wireless data transfer to the PC and PC software for dispensers beginning year of construction nov. 09</p>	8706	
 <p>Master key (1 pc.), red</p>	7826	
<p>1 set of user keys (10 pcs.) green, for dispensers until year of constr. oct. 09</p>	7825	
<p>1 set of user keys (10 pcs.) yellow, for dispensers beginning year of constr. nov. 09</p>	8705	
<p>"German" language key for changing the menu language from English to German</p>	8135	
 <p>Filling hose DN 25 (with 2 x 1" external thread)</p>	4 m	7933
	6 m	7934
	8 m	7935
	10 m	7936
 <p>Filling hose DN 25 (with 2 x 1" external thread) RME-resistant</p>	4 m	7938
	6 m	8089
	8 m	8090

Accessories for diesel dispensers

Designation	Order no.
 <p>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)</p>	10031
 <p>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</p>	10032

CUBE pumps [PG4]

diesel/biodiesel

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, 4 m filling hose, DN 25, design approved in accordance with EN 13012, with passenger car outlet
- Suction vacuum approx. 0.3 bar, so not recommended for underground tanks



①



③



①



②

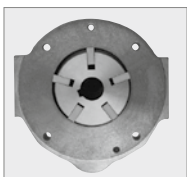


Electric pump CUBE 70 MC 50 with pedestal (accessory)

Sun protection screen for the CUBE 70 MC 50 electric pump

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 metre
- 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



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

Designation	Order no.
① Electric pump CUBE 70 MC 50 230 V, approx. 70 l/min (self-priming) with electric flowmetre, 50 user codes, automatic nozzle, 4 m filling hose installed within a protective box, without suction hose	7853
② Electric pump CUBE 56 K 33, 230 V, approx. 56 l/min (self-priming) with flowmetre, automatic nozzle and 4 m filling hose DN 19, fitted in a protective housing, without suction hose	7776
③ Electric pump CUBE 70 K 33, 230 V, approx. 70 l/min (self-priming) with flowmetre, automatic nozzle and 4 m filling hose DN 25, fitted in a protective housing, without suction hose	7887










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

Technical specifications subject to change.

CUBE pumps [PG4]

diesel/biodiesel

Accessories for CUBE pumps

Designation	Order no.	
 <p>Pedestal for electric pump CUBE 70 MC 50, grey</p>	7888	
 <p>Pedestal for electric pump CUBE 56 / CUBE 70, blue</p>	7778	
 <p>Wall fastener</p>	7889	
 <p>Converter (with PC-software for data transmission by means of a connection cable to the pump, cable to be provided by customer, USB)</p>	7890	
 <p>Key set (1 master key, 10 user keys, key reader with USB interface and PC software) for wireless data transfer to the PC and PC software</p>	8706	
 <p>Quick coupling for barrels 2" x 1"</p>	7781	
 <p>Master key (1 ps.), red</p>	7826	
<p>1 set of user keys (10 pcs.), yellow</p>	8705	
 <p>PVC suction hose 1.6 m with foot valve and filter (with 1" external thread)</p>	7783	
 <p>Filling hose DN 25 (with 2 x 1" external thread)</p>	4 m	7933
	6 m	7934
	8 m	7935
	10 m	7936
 <p>Filling hose DN 25 (with 2 x 1" external thread) RME-resistant</p>	4 m	7938
	6 m	8089
	8 m	8090

Filling hose DN 19 for CUBE 56 pump see page 91.

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
- further 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 battery clamps



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

Cematic pumps

Designation		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		rabate 3 %	rabate 5 %	rabate 8 %
Designation / Type	Order no.	quantity	quantity	quantity
 Cematic 56 K33 AZ	7769	3	6	8
Cematic 56 AZ	7768	3	6	8
Cematic 3000/12 K33 AZ	7772	3	6	8

Technical specifications subject to change.

Cematic pumps [PG4]

diesel/biodiesel

Electric pump Cematic UM

(adapted for UNI-/MULTI tank)

- 230 V, approx. 56 l/min
- self-priming
- flowmetre
- suction hose
- automatic nozzle
- nozzle holder
- 4 m filling hose
- mounted complete on a console that can be hung on the side of the UNI/MULTI tank



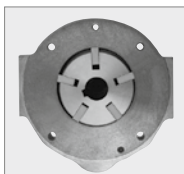
Electric pump Cematic 56 ECO

- 230 V, approx. 56 l/min
- self-priming
- 1.6 m suction hose
- foot valve
- filter
- 4 m DN 19 screw delivery hose
- automatic delivery nozzle with internal thread hose swivel joint



Electric pump Cematic 56 BOX

- 230V, approx. 56l/min
- flowmetre K33
- cartridge filter with water separator
- 6m delivery hose
- automatic delivery nozzle with internal thread hose swivel joint
- Fully assembled in a lockable cabinet
- suction hose, see separate accessories, p. 91



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.

Cematic pumps

Designation	Order no.
Electric pump Cematic UM	8162
Electric pump Cematic 56 ECO	10057
Electric pump Cematic 56 BOX	10146

For other accessories see page 91 ff.

Cematic pumps [PG4]

diesel/biodiesel

Cematic pumps ① ② ③

- self-priming rotary vane pump
- suction height up to 2.5 m
- robust pump housing of cast steel
- Induction motor 230 V AC, protection category IP 55

- suitable for continuous operation, protected against thermal overload
- integral pressure relief bypass valve
- integral suction filter on Cematic 56 + 72
- 1" internal thread connection on suction and pressure sides

Cematic pumps DC ④ ⑤ ⑥ ⑦

- self-priming rotary vane pump
- suction height up to 2 m
- robust pump housing of cast steel
- brush-type DC motor, protection category IP 55
- work cycle max. 30 min.
- built-in excess pressure bypass valve



Electric pump Cematic 56



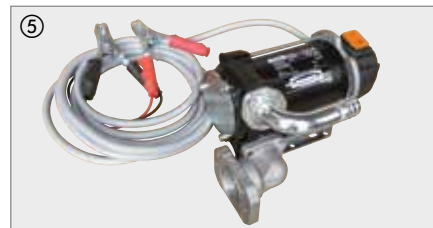
Electric pump Cematic 70 + 90



Electric pump Cematic 72



Electric pump Cematic Duo



Electric pump Cematic 3000/12



Transfer pump Cematic 3000/12



Battery Kit Cematic 3000/12

Cematic pumps

Designation	Order no.
① Electric pump Cematic 56, 230 V, 370 W, delivery rate approx. 56 l/min, delivery pressure approx. 2 bar	8565
② Electric pump Cematic 72, 230 V, 500 W, delivery rate approx. 72 l/min, delivery pressure approx. 2 bar	8353
③ Electric pump Cematic 70, 230 V, 500 W, delivery rate approx. 70 l/min, delivery pressure max. 1.5 bar Electric pump Cematic 90, 230 V, 750 W, delivery rate approx. 90 l/min, delivery pressure approx. 1.5 bar	10147 8354
④ Electric pump Cematic Duo, 24/12 V, 420 W, approx. 70/35 l/min, delivery pressure max.1.5 bar, 1" internal thread connection on both sides	10148
⑤ Electric pump Cematic 3000/12, 12 V, 280 W, approx. 45 l/min, delivery pressure max.1.5 bar, spout DN 19 suction side, 1" internal thread pressure side Electric pump Cematic 3000/24, 24 V, 280 W, approx. 45 l/min, delivery pressure max.1.5 bar, spout DN 19 suction side, 1" internal thread pressure side	10149 10150
⑥ Transfer pump Cematic 3000/12, 12 V, 280 W, 4 m connecting cable with terminal clamps, delivery rate approx. 50 l/min, 4 m DN 19 screw delivery hose, automatic delivery valve, suction hose 2.5 m with foot valve	8711
⑦ Battery Kit Cematic 3000/12 approx. 45 l/min, 4 m DN 19 screw delivery hose with aluminium hand dispenser, foot filter, 2 m connecting cable with terminal clamps, hose can be divided into suction and delivery hose. For additional hose, see page 94.	10151

Accessories for Cematic pumps

[PG4]

diesel/biodiesel

Accessories for Cematic pumps







Designation	Order no.	
 Self 3000 fuel pump nozzle (connection 1" internal thread)	7780	
 A 60 automatic delivery nozzle with hose swivel joint, max. 60 l/min (1" internal thread connection), design approved in accordance with EN 13012	10028	
A 60 automatic delivery nozzle with hose swivel joint, max. 60 l/min (1" internal thread connection)	7983	
 A 80 automatic delivery nozzle, truck outlet, max. 90 l/min, with 1" internal thread hose swivel joint	8355	
A 80 automatic delivery nozzle, design approved in accordance with EN 13012, truck outlet, max. 90 l/min, with 1" internal thread hose swivel joint	10026	
 Pump console for fitting the Cematic pumps on UNI-/MULTI-tank 750 l and 1000 l	7631	
 Quick coupling for drums 2" x 1" (with 1" internal thread)	7781	
 K33 flow metre (connection 2 x 1" internal thread) 3-digit tank display	7779	
 Add-on kit for retrofitting K33 flow metre on Cematic pumps	7984	
 K24 digital flow metre, 10-120 l/min, 5-digit individual delivery display, 6-digit total delivery display, inlet 1" external thread, outlet 1" internal thread	8644	
 Digital flowmeter K24 A, aluminium housing, 7 - 120 l/min, 5-digit display, total volume display 6-digit, 1" outside thread, 1" inside thread, two-way flow	10157	
 1.6 m PVC suction hose with foot valve and filter (with 1" external thread, DN25)	7783	
 Filling hose DN 19 (with 2 x 1" external thread)	4 m	7899
	6 m	7900
	8 m	7901
	10 m	7902
Filling hose DN 25 (with 2 x 1" external thread) RME-resistant	4 m	7938
	6 m	8089
	8 m	8090

Accessories for Cematic pumps

[PG 4]

diesel/biodiesel

Accessories for Cematic pumps

Designation	Order no.
 <p>Delivery nozzle holder suitable for 7780, 7258, 7983, etc. for installation on the pump foot or on the wall as required</p>	8566
 <p>Hose reel with pivot arm, 15 m DN 25 hose, max. 10 bar, swivel joint connection with supply 0.6 m hose DN 25, 1" internal thread, outlet 1" external thread, painted sheet steel, dimensions 58 x 55 x 30 cm</p>	8338
 <p>Swivel arm for hose reel 8338, swivel angle approx. 80°, painted sheet steel</p>	8339
 <p>Hose reel with pivot arm, 8 m DN 25 hose, swivel joint connection 1" internal thread, outlet 1" external thread, painted sheet steel, dimension 50 x 48 x 23 cm</p>	8734
 <p>Swivel arm for hose reel 8734, painted sheet steel</p>	8735
 <p>Line filter, aluminium housing with wire mesh filter, cleanable, 1" internal thread fitting on both sides</p>	8356
Accessory double O-ring for flange connection, with groove on one sides	10027
Accessory double O-ring for flange connection, with groove on both sides	8357

Motorised pumps with petrol motor [PG 1]

water

Motorised pump 500 l/min with petrol motor Honda

- pump permanently installed
- 2" suction and pressure port
- DN 50 hose connections
- suction strainer
- max. 3 bar

Motorised pump 130 l/min with petrol motor Honda

- delivery rate approx. 130 l/min
- pump capacity up to 3.5 bar
- 1" suction and pressure port
- DN 25 hose connections
- suction strainer



Motorised pump 500 l/min with petrol motor Honda



Motorised pump 130 l/min with petrol motor Honda

Motorised pumps

Designation	Dimensions cm (l x w x h)	Order no.
① Motorised pump with petrol motor Honda, delivery rate approx. 500 l/min	47 x 35 x 39	8337
② Motorised pump with petrol motor Honda, delivery rate approx. 130 l/min	33 x 25 x 40	8348

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

diesel/biodiesel





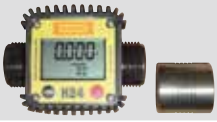



Electric pump CENTRI 12 V



Electric pump CENTRI 230 V

NSA diesel pumps

Designation	Order no.
 <p>Electric pumps CENTRI (effective delivery rate) 12 V, approx. 30 l/min effective, 4 m connecting cable with terminals, 6 m hose, delivery nozzle</p>	8640
 <p>Electric pumps CENTRI (effective delivery rate) 12 V, approx. 25 l/min effective, 4 m connecting cable with terminals, 6 m hose, automatic delivery nozzle</p>	8641
 <p>Electric pumps CENTRI (effective delivery rate) 230 V, approx. 35 l/min effective, 4 m connecting cable, 6 m hose, delivery nozzle</p>	8638
 <p>Electric pumps CENTRI (effective delivery rate) 230 V, approx. 30 l/min effective, 4 m connecting cable, 6 m hose, automatic delivery nozzle</p>	8639
 <p>K24 digital flow metre 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</p>	8644
<p>Filling hose for electric pumps CENTRI, DN 19 other sizes available, price depends on per metre of new length (The standard hose is still included in the package)</p>	7213

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

Accessories for diesel dispensers





[PG4]

diesel/biodiesel





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" female thread and flange with O-ring groove.

Designation	Order no.
 <p>Filter, max. 100 l/min, filter porosity 5 µm, packaging unit with 2 replaceable inserts</p>	10034
 <p>Filter, max. 70 l/min, filter porosity 30 µm, with water separating function, packaging unit with 2 replaceable inserts</p>	10035
 <p>Replaceable insert, max. 100 l/min, filter porosity 5 µm</p>	10036
 <p>Replaceable insert, max. 70 l/min, filter porosity 30 µm, with water separating function</p>	10037

Accessories for diesel pumps

Designation	Order no.
 <p>Quick-release hose coupling in brass, simple coupling and decoupling without leaks, 1" female thread connection</p>	10038
Suction hose DN 19, RME-resistant, with wire helix, sold by the metre	10039
Suction hose DN 25, RME-resistant, with plastic helix, sold by the metre	10040
 <p>Hose nozzle G 1" a – 19 mm, brass, with O-ring</p>	5522
Hose nozzle G 1" a – 25 mm, brass	10042
Hose clamp 20 – 32 mm, 9 mm wide, galvanised	7030
Hose clamp 32 – 50 mm, 9 mm wide, galvanised	10043
 <p>Brass spring-loaded foot valve, with filter, 1" female thread</p>	10044
 <p>Brass swivel joint, 3/4" external thread, 1" female thread</p>	10154
Brass swivel joint, 1" external thread, 1" female thread	10155

Technical specifications subject to change.

MC-Box-System [PG 4]

- fuel dispensing amounts can be preset
- option of entering vehicle registration number and mileage
- management of the date and time of dispensing
- standard PIN-code access control
- local recording of the last 255 fuel dispensing events
- optional electronic key access control (accessory)
- optional data transfer to PC by means of electronic key
- optional data transfer to PC by means of converter and data transmission cable (accessories, see page 87). This allows data to be exported up to 1000 m.
- English menu language is standard, language can be changed with optional language code
- weather proof and lockable
- max. 80 user

Access control and tank data collection for retro-fitting



Key set 8706



connected pump is operated with 230V AC



for example metre K600



External tank capacity display option



Microswitch option connected to the delivery nozzle holder (to be provided on site)

MC-Box-System

Designation	Dimensions box cm (l x w x h)	Weight approx. kg	Order no.
MC Box system complete, consisting of a K600 metre for diesel, biodiesel and vegetable oil, key set 8706	17 x 26 x 26	25	8195

Access control system for pumps and tank systems [PG 4]

Control access to your existing or new tank system and prevent theft of your expensive fuels!

Access authorisation system „Access 85“

- up to 85 users
- power supply 230 VAC, 50/60 HZ
- for pumps 230 V, max. 1.3 kW, max. 8 A
- emergency stop function
- delivery nozzle contact can be integrated
- level alarm can be integrated into the storage tank
- configuration via potentiometer and DIP switch



Access control system

Designation	Order no.
Access authorisation system "Access 85" (for description, see text at top right)	8935
① Master key (necessary for creating the user key)	7826
② 1 set of user keys (10 pcs.) yellow	8705

Technical specifications subject to change.

Hand pumps for diesel and lubricants [PG 4]

Hand pumps

- robust construction
- no energy source required
- low-cost
- 2" connector
- suction tube can be shortened as required

diesel/biodiesel
lubricants
fuels



Hand pumps for diesel and lubricants

Designation	Order no.
① Hand pump with 1.2 m PVC discharge hose with plastic spout DN 19, suction pipe 1500 mm Pumping media: self-lubricating, non-abrasive media, undiluted antifreeze, heating oil, diesel, petroleum Delivery rate: 0.1 l/stroke	1438
② Hand pump with 1.5 m discharge hose with outlet spout DN 19, suction pipe 1450 mm Pumping media: oil up to SAE 50, fuels, undiluted antifreeze, low viscosity mineral oils, heating oil EL/L, diesel, petroleum, biodiesel Delivery rate: 0.25 l/stroke	1452
③ Steel drum-pump with spout for drums 60/200/220 l, Telescopic suction pipe 480-900 mm Pumping media: oil up to SAE 90, self-lubricating, non-abrasive media, undiluted antifreeze, heating oil, diesel, petroleum Delivery rate: 0.3 l/stroke	7892
④ Hand pump double-acting, very sturdy, with 1.5 m DN 19 discharge hose, electrically conductive with steel spout, 840 mm suction tube, quick coupling for drums M 64 x 4 and 2" thread Pumping media: low viscosity mineral oil, self-lubricating, non-abrasive media, diesel, heating oil EL/L, fuels A1-AIII (ATEX) Delivery rate: approx. 0.35 l/stroke	8578
⑤ Hand pump with curved spout and anti-drip nozzle for filling measuring cups, measuring buckets, canisters for drums 60/200/220 l, suction tube 840 mm, quick coupling for drums M 64 x 4 and 2" thread Pumping media: oil up to SAE 90, self-lubricating, non-abrasive media Delivery rate: approx. 0.25 l/stroke	8577
⑥ Aluminium crank pump with curved spout 25 mm, for drums 60/200/220 l, threepart suction pipe 950 mm Pumping media: oil up to SAE 90, self-lubricating, non-abrasive media, undiluted antifreeze, heating oil, diesel, petroleum Delivery rate: approx. 0.25 l/stroke	10010

Accessory for Aluminium crank pump

Designation	Order no.
 Hose package 2 m, DN 25, with fixable manual nozzle and pipe clamp, compatible to cranc pump 10010	10011

Petrol pumps [PG 4]

fuels

Petrol
2-stroke mixture
Avgas
Kerosene

ATEX/IECEx-certified pump for flammable liquids

Complete set consisting of:

- electric pump 230 V or 12 V, max. 50 l/min, with delivery 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 delivery hose, DN 19
- automatic delivery 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.



Electric pump Cematic 50 EX, meter available as accessory








Electric pump Cematic 50 EX

Petrol pumps Cematic 50 EX

Designation	Flow rate l/min	Pressure (max) in bar	Order no.
Electric pump Cematic 230/50 EX, complete. ATEX, 230 V, filter, 4 m delivery hose, automatic delivery nozzle	40	1.1	10249
Electric pump Cematic 12/50 EX, complete. ATEX, 12 V, filter, 4 m delivery hose, automatic delivery nozzle	40	1.1	10235

Accessories for petrol pumps Cematic 50 EX

Designation	Order no.
 Meter K33, upward flow, 20 - 120 l/min, ATEX	10236
Retrofit kit for K33 ATEX meter, on Cematic 50 EX, Viton O-rings, flange	10410
 Digital flow meter K24 A ATEX/IECEx; II 2 G Ex ia IIB T4 Gb, aluminium housing, 7 - 120 l/min, 5-digit display, 6-digit total quantity display, 1" outer thread, 1" inner thread	10411
 Automatic delivery nozzle for petrol, EN13012, ATEX, with swivel joint 1" inside thread	10142
 4 m delivery hose, DN 19, 1" external thread, electrically conductive, antistatic	10263
 Cable gland 1/2" NPT for cable 7 - 12 mm	10264
Connector cable, 3 x 2.5 mm ²	10265

Lubricant pumps [PG 4]

lubricants
vegetable oil

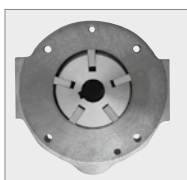
Lubricant pump

Viscomat 70 and Viscomat 90

- rotary vane pump, thus high delivery volume flow at high pressure
- die cast aluminium pump body
- sintered steel rotor with resin vanes
- seal 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



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.

Lubricant and vegetable oil pump Viscomat 70

Designation	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
① Lubricant pump Viscomat 70 230 V, self-priming, 750 W, 1" internal thread connection on both sides, without accessories	25	6	8727







Lubricant and vegetable oil pump Viscomat 90

Designation	Flow rate l/min	Pressure (max) in bar	Order no.
① 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

Lubricant pumps [PG 4]

lubricants
vegetable oil

Accessories for Viscomat 70 + Viscomat 90

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



Lubricant pumps [PG 4]

lubricants

Lubricant pump Viscomat 200/2

- gear pump design, thus high delivery rate at high pressures, no pulsation, uniform flow
- die cast aluminium pump body
- sintered steel gears, with a specially a designed internal profile
- mechanical seal on the engine shaft, accessible from the pump side
- bypass line integrated into the pump body
- suitable for oils up to 2000 cSt, corresponding to approx. SAE 140 at 20°C



The pump principle: gear pump design

Lubricant pump Visco-Flowmat 200/2

- like Viscomat 200/2, but with pressure switch
- pump switches on automatically when the nozzle is opened
- after delivery the pump continues to run for a few seconds to refill. Afterward it shuts off automatically.



Lubricant pumps Viscomat 200/2 and Visco-Flowmat

Designation	Flow rate l/min	Pressure (max) / bar	Order no.
Lubricant pump Viscomat 200/2, 230 V, self-priming, with nozzle, 4 m pressure hose 1/2", 1.6 m suction hose 1" with foot valve and quick coupling for drums	9	12	7896
① Lubricant pump Viscomat 200/2 K400, 230 V, self-priming, with nozzle, flowmetre K400, 4 m pressure hose 1/2", 1.6 m suction hose 1", with foot valve and quick coupling for drums	9	12	7897
② Lubricant pump Viscomat 200/2 230 V, 800 W, 1" inside thread connection on both sides, without accessories	9	12	8571
③ Lubricant pump Visco-Flowmat 200/2 with pressure switch, 230 V, 800 W, 1" inside thread connection on both sides, without accessories	9	12	8572

Compressed air pump for lubricants [PG 4]

lubricants

Compressed air pump Viscoair 14

- ratio 3:1
- operation at 6 - 8 bar
- max. flow rate 14 l/min
- compressed-air port 1/4" internal thread, medium outlet 1/2" internal thread
- air consumption approx. 330 l/min
- suction connection 1" internal thread
- operation only with service unit



Compressed air pump Viscoair








Designation	Order no.
① Compressed air pump Viscoair 14	8736

Technical specifications subject to change.



Lubricant pumps [PG 4]

lubricants

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

Designation		Order no.
	Pressure hose 1/2" for oil, 4 m, both ends 1/2" outer thread	8608
	1/2" pressure hose for oil, 6 m, one end 1/2" external thread, other end union nut and 1/2" double male connector	8351
	1/2" pressure hose for oil, 10 m, one end 1/2" external thread, other end union nut and 1/2" double male connector	8352
	Hose reel with pivot arm, 15 m hose DN 15, max. 150 bar, swivel joint connection with supply 0.6 m hose DN 15, 1/2" inner thread, 1/2" outer thread outlet, painted sheet steel, dimensions 46 x 45 x 19 cm	8340
	Swivel arm for hose reel, swivel angle approx. 80°, painted sheet steel	8341
	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
	Oil delivery nozzle with 1/2" swivel joint, fixed outlet with anti-drip nozzle. The K400 metre can be integrated between the handle and outlet.	8573
	Electronic K400 metre, oval wheel principle, 1-30 l/min, 1/2" inner thread, max. 70 bar, fits equipment including	8574
	Oil delivery nozzle K500, with electronic metre, 1/2" 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 l. When the preset quantity is reached, the nozzle shuts off automatically.	8576

Accessories for compressed air pump Viscoair

Designation		Order no.
	Drum adapter for Viscoair, 2" external thread	8737
	Service unit for Viscoair, with condensation separator, lubricator and pressure regulator	7584
	Compressed air spiral tubing, 5 m with connections	7585
	Quick coupling plug for compressed air, G 1/4" external thread, brass	8738

Compressed air diaphragm pump [PG 4]

Compressed air diaphragm pump

- max. 60 l/min
- self-priming
- aluminium housing and motor, NBR membrane
- inlet 3/4" internal thread, outlet 1/2" internal thread
- temperature range -20 °C to +90 °C (or briefly +120 °C)
- particles up to 1.5 mm permissible
- max. 8 bar, air consumption 600 l/min
- explosion-proof (equipotential bonding on site)
- accessories, other versions and sizes on request



- waste oil
- lubricants
- antifreezing compound
- windshield cleaner
- dirty water

Compressed air diaphragm pump

Designation	Order no.
① Compressed air diaphragm pump, max. 60 l/min	10176

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:

- mobile 65l resp. 90l 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
- max. extraction volume 52l resp. 75l
- maximum hopper height 188 cm (model 10145)



Oil suction unit 65l



Oil suction unit 90l with height-adjustable eccentric collection hopper

Pneumatic oil suction units

Designation	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Pneumatic oil suction unit, 65l	60 x 42 x 86	26.9	8726
Pneumatic oil suction unit, 90l, with collection hopper	62 x 42 x 138	38.2	10145

Technical specifications subject to change.

Mobile oil suction units [PG4]

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 12l
- suitable for oils up to SAE 140



Designation	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

Mobile suction unit for fuels [PG4]

Mobile suction unit for fuels, 2 stroke mix, diesel and oil

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

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



Mobile suction unit and accessories

Designation	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Mobile suction unit for fuels, 2 stroke mix, diesel and oil	50 x 50 x 100	19.5	10090
Tight-head drum 60 l	\varnothing 35,5 x 65,5	4,8	5402

Technical specifications subject to change.

Grease guns and bucket greasers [PG4]

greases

Manually operated bucket greasers and compressed air bucket greasers

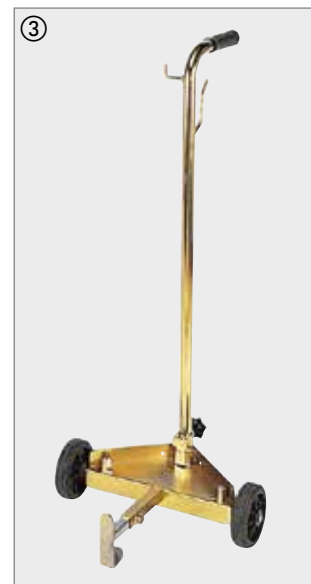
- with accessories
- workshop equipment for the professional
- simple, rugged and reliable



Manually operated bucket greaser CEMpress



Manually operated grease filling device CEMfill





Accessory transport trolley

Bucket greaser CEMpress and grease filling device CEMfill

Designation	Order no.
① Manually operated bucket greaser CEMpress 16 – 25 M <ul style="list-style-type: none"> • high-pressure 350 - 400 bar • for 16 - 25 kg grease bucket with external diameter from 255 mm to 300 mm • follower plate and dust protection cover dia. 310 mm • high-pressure hose 2.5 m, 1/4" • rigid nozzle pipe with hydraulic coupler 	8967
② Manually operated grease filling device CEMfill 16 - 25 M Central greasing systems or hand-lever guns <ul style="list-style-type: none"> • for 16 - 25 kg grease bucket with external diameter from 255 mm to 300 mm • follower plate and dust protection cover dia. 310 mm • dispensing hose 2 m, 1/2", connection 1/4" male thread • rigid, lockable nozzle pipe 	8968

Accessories for bucket greaser CEMpress and grease filling device CEMfill

Designation	Order no.
 Quick-coupling female part 1/4" female thread grease filling device for filling central greasing systems	8969
 Quick-coupling male part 1/4" female thread for attachment to central greasing systems	8970
③ Transport trolley for grease bucket up to 60 kg, suitable for bucket greaser and grease filling devices	8971

Technical specifications subject to change.

Grease guns and bucket greasers [PG4]

greases



Mobile compressed air bucket greaser
CEMpress 15 P



Mobile compressed air bucket greaser
CEMpress 16 - 25 P

Mobile compressed air bucket greaser CEMpress

Designation	Order no.
④ Mobile compressed air bucket greaser CEMpress 15 P <ul style="list-style-type: none"> • For 15 kg grease bucket with external diameter from 240 mm to 280 mm • compressed air pump 50:1, approx. 1500 g/min, max. 8 bar • transport trolley 8971 • high-pressure hose 4 m, 1/4" and grease gun with swivel joint and flexible hose with hydraulic coupler • follower plate dia. 265 mm and dust protection cover dia. 280 mm 	8972
⑤ Mobile compressed air bucket greaser CEMpress 16 - 25 P <ul style="list-style-type: none"> • for 16 - 25 kg grease bucket with external diameter from 255 mm to 300 mm • compressed air pump 50:1, approx. 1500 g/min, max. 8 bar • transport trolley 8971 • high-pressure hose 4 m, 1/4" and grease gun with swivel joint and flexible hose with hydraulic coupler • follower plate and dust protection cover dia. 310 mm 	8973
⑥ Mobile compressed air bucket greaser CEMpress 16 - 25 P <ul style="list-style-type: none"> • for grease buckets with an internal diameter of 300 mm to 330 mm • compressed air pump 50:1, approx. 1500 g/min, max. 8 bar • transport trolley 8971 • high-pressure hose 4 m, 1/4" and grease gun with swivel joint and flexible hose with hydraulic coupler • follower plate ø 340 mm and dust protection cover dia. ø 350 mm 	10178

Further sizes on request.

Accessories for mobile compressed air bucket greaser CEMpress

Designation	Order no.
High-pressure hose 600 bar, 12 m, 1/4" female/male thread	8974
Coupling connector for compressed air connector G1/4" male thread	8738

Electric drum and IBC pumps [PG 4]

chemicals

NEW

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



① Basic set, for occasional use, can be used for diluted acids and lyes



② Allround set, for regular use, can be used for concentrated acids and lyes



③ Chemical set, for professional use, can be used for aggressive liquids



④ Ex-klusiv set, can be used for solvents and highly flammable liquids



Wall bracket



Drum adapter made from PP, 2" outer thread

Electric drum and IBC pumps


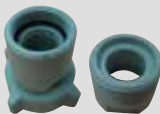


Description / scope of delivery	tech. data, maximum values				for drum, immersion depth 1,000 mm	for ICB, immersion depth 1,200 mm
	Flow rate l/min	Pressure bar	Density kg/l	Viscosity mPas		
① Basic set consisting of: Motor p310-A-230, 520 W, pump unit DL-PP-A-Niro, 2 m PVC hose reinforced DN19, delivery 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, delivery 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, delivery nozzle PVDF/ FEP 1 1/4"	110	0.8	2.0	800	10440	10444
④ Ex-klusiv set consisting of: Motor EX700, 700 W, pump unit Niro-A, 2 m solvent hose DN25, hose connector MS 1 1/4", delivery nozzle MS/PTFE, potential balancing cable	110	0.7	1.8	600	10441	10445

Technical specifications subject to change.

Accessories for electric drum and IBC pumps

[PG 4]

Accessories for electric drum and IBC pumps

Designation	Order no.
 Digital meter FMT II Material PP, 5 – 90 l/min, both side 1" outer thread	10450
 Installation kit for meter with 1" outer thread, PP	10446
 Screw lid DN 150 for IBC, with 2" inner thread, TPE seal	10447
 Threaded adapter of 2" fine (I) to 2" Mauser rough (A) S70 x 6	10448

The following table shows a number of typical liquids and their matching pump set.

Liquid	Basic set	Allround set	Chemical set	Ex-klusiv set
Acetone				x
Battery acid	x	x	x	x
Formic acid	x	x	x	x
Ammonia water	x	x	x	x
Petrol				x
Bleaching lye (sodium hypochlorite)			x	
Chlorine/chlorinated water			x	
Iron III chloride		x	x	
Acetic acid	x	x	x	
Ethanol				x
Ethyl acetate				x
Liquid fertilisers	x	x	x	
Anti-free agent (Antifrogen)	x	x	x	
Anti-free for radiators (ethylene glycol)	x	x	x	x
Cooling lubricants			x	x
Milking machine cleaner, alkali			x	
Milking machine cleaner, acidic	x	x	x	
Methanol				x
Caustic soda/sodium hydroxide	x	x	x	
Nitrocellulose thinner				x
Propionic acid			x	
Nitric acid	x	x	x	
Hydrochloric acid		x	x	
Foaming agent	x	x	x	x
Window cleaner	x	x	x	x
Sulphuric acid			x	
Turpentine				x
Water, (distilled/DI)	x	x		

Information on chemical resistance applies to a room temperature of 20°C. A verification must be performed at much higher temperatures. At high concentrations, we recommend the use of the higher quality pump sets.

Can't find your liquid, or aren't sure?

Then call our responsible representation (www.cemo.de/vertretungen). We'd be pleased to assist.

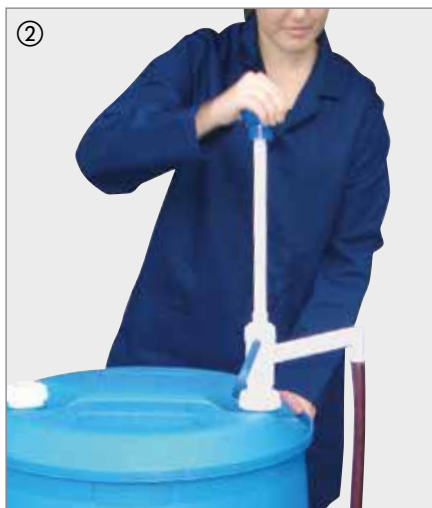
Technical specifications subject to change.

Hand pumps for chemicals [PG 4]

chemicals
AUS32 (AdBlue®)

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

Designation	Flow rate l/Hub	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 canisters 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 1000l, 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 chemicals

Designation	Flow rate l/Hub	Order no.
④ Polypropylene crank pump for AUS 32, with outlet curve DN 25, 3-piece suction pipe, with 2" drum adapter and S 70 x 6, for 60/200/220 l drums	15	8332
Accessory: package for crank pump 8332, consisting of stainless steel spout, 2 m EPDM inner pipe tubing, hand dispenser with 19 mm spout (8333), 2 piece pipe clamp		8334
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

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

Technical specifications subject to change.

Cematic pumps for chemicals [PG 4]

Electric pump Cematic Blue

- for AUS 32 (AdBlue®), antifreezing compound and windshield cleaner with flash point > 55 °C
- self-priming plastic diaphragm pump
- 1" external thread connection on both sides incl. DN 19 hose connecting pieces with locknut
- OFF/ON switch
- installation is not determined by orientation



Electric pump Cematic Blue 230V

AUS32 (AdBlue®)

antifreezing compound

windshield cleaner



Electric pump Cematic Blue 12V + 24V

Compressed air diaphragm pump

- max. 50 l/min
- self-priming
- polypropylene housing, EPDM diaphragm
- aluminium motor (sealed from contact with liquid)
- inlet 3/4" internal thread, outlet 1/2" internal thread
- temperature range - 10 °C to +65 °C
- particles up to 1.5 mm permissible
- max. 8 bar, air consumption 500 l/min
- explosion-proof (equipotential bonding on site)
- accessories, other versions and sizes on request



chemicals

agricultural pesticide





liquid fertiliser

Compressed air diaphragm pump

Electric pumps Cematic Blue and compressed air diaphragm pump

Designation	Flow rate l/min	Pressure (max) in bar	Order no.
① Electric pump Cematic Blue self-priming plastic diaphragm pump, 230 V, 370 W, 2800 rpm, 2 m cable with Schuko plug	35	1.5	8730
② Electric pump Cematic Blue self-priming plastic diaphragm pump, 12V, 280 W, 4 m connecting cable with terminal clamps	35	1.5	10152
Electric pump Cematic Blue self-priming plastic diaphragm pump, 24V, 280 W, 4 m connecting cable with terminal clamps	35	1.5	10153
③ Compressed air diaphragm pump, max. 50 l/min	50	8	10177

Accessories for electric pumps Cematic Blue

Designation	Order no.
 DN 19 hose connecting piece with locknut	8731
 90° elbow with locknuts for K24 metre	8732
 Connecting piece, straight with locknuts for K24	8733
 DN 19 hose connecting piece, 90°	8611

For other accessories such as hoses and metres, see pages 73 ff.

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

Technical specifications subject to change.

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 collecting trays are positioned correctly
- ✓ Check that your tray is made from a material that is resistant to the media held in it

GRP sumps

GRP sumps are ideal for the storage of environmentally hazardous substances.

GRP is a universally applicable material for the storage of environmentally hazardous substances. The thermosetting plastic base structure in conjunction with the glass fibre reinforcement provide an advantageous fire behaviour and high chemical resistance. GRP sumps combine

the properties of steel and plastic. Due to their absolute corrosion resistance, GRP sumps can be placed directly on the ground. The low installation height facilitates easy handling in factories and workshops.

GRP sumps with General Construction Inspection Approval no. Z-40.12-227

- for the storage of strongly water polluting substances
- made from glass fibre reinforced plastic (GRP)

extremely favourable price-performance ratio

universally applicable e.g. waste oil, lyes and acids

100 % corrosion-resistant

low installation height, because no ground clearances are required (compare steel sump pallets)

minimum inspection requirements, no additional inspection of tray bottom (compare steel sump pallets)



www.cemo.de/umweltschutz



Sump pallet 220/1-RC



Sump pallet 150 for Euro pallets

Mobile sump pallets from GRP

- hot-dip galvanized grating
- hot-dip galvanized chassis with collision protection
- 2 steering and 2 fixed castors (castors dia. 12,5cm) as well as a pushing bar for trouble-free steering

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

Media stored	Waste oil of known origin (flammable, flash point > 55 °C)	Heating oil and diesel (flammable, flash point > 55 °C)	Petrol, nitro (highly inflammable, easily 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 %	Carboxylic acids above 10 % (except formic acid)
GRP	X	X	-	X	-	X	X	-
Steel painted or galvanized	X	X	X	X	-	-	-	-
PE = polyethylene	-	-	-	X	X	X	X	-

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).

Technical specifications subject to change.

GRP sumps [PG 9]


GRP sumps

NEW

Designation / Type	External dimension cm (l x w x h)	Collection volume l	Loading capacity kg	Quantity 200 l drums	Weight approx. kg	with General Construction Inspection Approval Order no.	without Approval Order no.	
GRP sump pallet 65								
	without grating	82 x 41 x 23	65	-	-	4	7086	10380
	with galvanized steel grating	82 x 42 x 24	65	40	-	9.5	7717	10381
GRP sump pallet 150 for Euro pallets								
	without fixture	120 x 80 x 16.5	150	-	-	9	5113	10382
	with fixing pins	120 x 80 x 20.8	150	-	-	9	5114	10383
	with galvanized steel grating	120 x 80 x 19,0	140	250	-	25	7963	10384
	with fixing pins and galvanized steel grating	120 x 80 x 23.5	140	250	-	25	7970	10385
GRP sump pallet 220/1								
	standard resin, without grating	85 x 85 x 39	210	-	1	13	7867	10386
	with galvanized steel grating	85 x 85 x 40	210	400	1	27	7868	10387
	complete with GRP grating	85 x 85 x 40	210	400	1	20	7869	10388
GRP sump pallet 220/2								
	standard resin, without grating	128 x 85 x 27	220	-	1	13	6882	10389
	with galvanized steel grating	128 x 85 x 29	220	800	2	33	6875	10390
	complete with GRP grating	128 x 85 x 29	220	800	2	24	6886	10391
GRP sump pallet 220/3								
	without grating	188 x 85 x 19	220	-	1	18	7085	10392
	with galvanized steel grating	188 x 85 x 20	220	1200	3	46	7083	10393
	complete with GRP grating	188 x 85 x 20	220	1200	3	36	7286	10394
GRP sump pallet 220/4								
	without grating	128 x 128 x 18	220	-	1	18	6884	10395
	with galvanized steel grating	128 x 128 x 21	220	1300	4	46	6876	10396
	complete with GRP grating	128 x 128 x 20	220	1300	4	36	6943	10397

Graduated price		Order no.	rabate 3 % quantity	rabate 5 % quantity	rabate 8 % quantity
	Designation / Type				
	65 without grating	7086	3	5	15
	65 with galvanized steel grating	7717	3	5	15
	150 for Euro pallets without fixture	5113	3	5	15
	220/2 with galvanized steel grating	6875	3	5	15

Mobile sump pallets from GRP

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

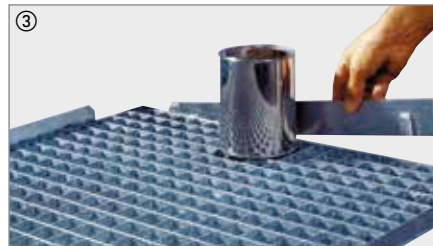
GRP sumps [PG 9]



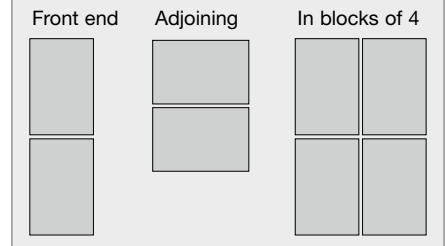
Steel foot-frame, galvanized



Screw on fixing angle for pallets



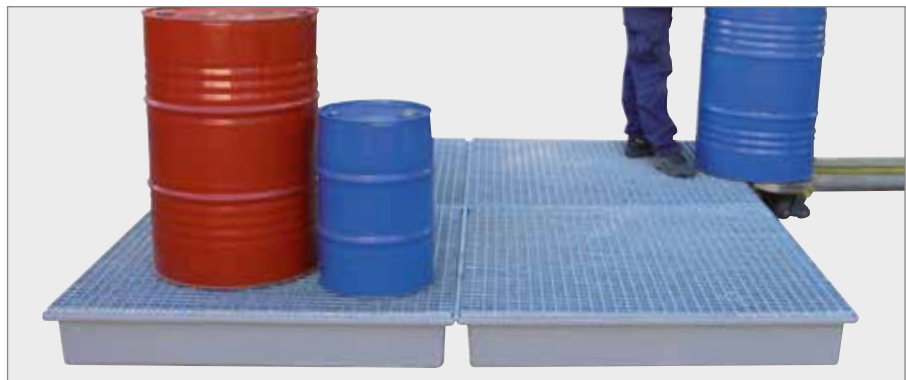
Edging for steel grating



Covering strips and cover plate for multiple installation



Loading rails



Example: multiple installation

Accessories for GRP sump pallets

Designation	External dimension cm (l x w x h)	Weight approx. kg	Order no.
① Steel foot-frame, galvanized (max. drive-under height 96 mm) only for GRP sump pallet 220/2	128 x 85 x 11	15	6889
② Screw on fixing plate for pallets (2 off with screws) only for GRP pallet sump pallet 150		0.5	5112
③ Edging (4-part), galvanized for sideways insertion in the steel grating, to stop storage material such as small containers, etc. from falling off)			6990
④ Loading rails, galvanized (2 off), width inside 15 cm			6878
Steel grating, galvanized for GRP sump pallet	65		7641
	150		8121
	220/1		8176
	220/2		6883
	220/3		7084
	220/4		6885

Accessories for multiple installation [PG 9]

Type	Designation	number required			Order no.
		220/2	220/3	220/4	
Front end	Covering strip short	1	1	-	6967
Adjoining	Covering strip long	1	-	1	6968
In blocks of 4	Cover plate	1	-	1	6969
	Covering strip short	2	-	-	6967
	Covering strip long	2	-	4	6968

Technical specifications subject to change.

PE sump pallets

PE sump pallets with an ideal price/performance ratio

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

Caustic, flammable, explosive, fire-promoting or toxic substances require special care during handling and storage. For purposes of protection and a clean environment, we have developed a range of PE sump pallets which offer great

functionality and high resistance against acids and lyes thanks to the diverse variation options which ensures an ideal price/performance ratio for you.

high chemical resistance

great functionality

various variants: with fixing pins, feet, skids or rollers

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



PE small container and rack trays



PE sump pallet with a collection volume of 242 l



PE filling station with a collection volume of 450 l

Euro PE sump pallet 250/2 [PG 9]

Euro PE sump 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 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



Example: suitable for Euro pallets



with 4 feet and PE grating



with 2 runners and steel grating



with steering castors



Integrated recessed handles for easy lifting



Example: PE grating



Example: Canister rack system

The rack system is designed for the Euro PE sump pallet 250/2 in versions: without feet or runners (8276 + 8277), with feet (8279 + 8280) and with runners (8282 + 8283). Loading capacity per storage level: 100 kg.

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

Euro PE sump pallet 250/2 [PG 9]

Designation / Capacity, l	External dimensions cm (l x w x h)	Capacity kg	Quantity 200 l drums	Weight approx. kg	without approval	with General Construction
					250/2 RG	Inspection Approval
					Order no.	Order no.
Euro PE sump pallet 250/2						
without grating	120.5 x 80.5 x 33	600	1	16	8424	8276
with galvanized steel grating	120.5 x 80.5 x 33	600	2	29	8425	8277
with PE grating	120.5 x 80.5 x 34	600	2	29	8426	8278
Euro PE sump pallet 250/2 with 4 feet						
without grating	120.5 x 80.5 x 43	600	1	18	8427	8279
with galvanized steel grating	120.5 x 80.5 x 43	600	2	31	8428	8280
with PE grating	120.5 x 80.5 x 44	600	2	31	8429	8281
Euro PE sump pallet 250/2 with 2 runners						
without grating	120.5 x 80.5 x 43	600	1	20	8430	8282
with galvanized steel grating	120.5 x 80.5 x 43	600	2	33	8431	8283
with PE grating	120.5 x 80.5 x 44	600	2	33	8432	8284
Euro PE sump pallet 250/2 mobile with steering and fixed castors*						
without grating, with steel baseframe	129 x 80.5 x 104	400	1	26	8433	8285
with galvanized steel grating	129 x 80.5 x 104	400	2	37	8434	8286
with PE grating and steel baseframe	129 x 80.5 x 104	400	2	39	8435	8287

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

Graduated price		Order no.	rabate 3 %	rabate 5 %	rabate 8 %
Designation			quantity	quantity	quantity
	250/2 RG without approval, with galvanized steel grating	8425	3	5	11
	250/2 RG without approval, with 2 runners, with galvanized steel grating	8431	3	5	11
	250/2 with General Construction Inspection Approval, with galvanized steel grating	8277	3	5	11
	250/2 with General Construction Inspection Approval, with 2 runners, with galvanized steel grating	8283	3	5	11

Accessories

Beschreibung	Order no.
Locking pins for fixing the Euro PE sump pallet 250/2 onto a Euro pallet (4 pcs. incl. fittings)	8288
Steel grating, galvanized for PE sump pallet 250/2	8324
PE grating for PE sump pallet 250/2	8325
Sump pallet attachment (height 20.5 cm)	8358

Accessory canister rack system for Euro PE sump pallet 250/2

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

* Scope includes Euro PE sump pallet 250/2 with steel grating (8277)

Technical specifications subject to change.

PE sump pallets [PG 9]

PE sump 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 (240/4)
- forklift-accessible on all four sides (240/4)
- forklift-accessible on two sides (240/1, 240/2 and 240/4e)



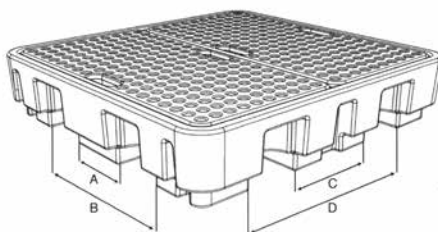
PE sump pallet 240/2



PE sump pallet 230/2

PE sump pallet 230/2

- manufactured from high quality polyethylene (HD-LMD)
- high chemical resistance
- suitable for Euro-pallets (1200 mm x 800 mm) 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 pallet 240/4



PE sump pallet 230/2



PE sump pallet 240/4



PE sump pallet 240/1



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



PE sump pallet 240/4e

PE sump pallets

Designation / Type	Overall dimensions cm (l x w x h)	A / B cm	C / D cm	Loading capacity kg	Containment capacity 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	30	8524
240/4e	245 x 66 x 27	-	-	1000	220	4	26.5	10019
230/2	131 x 91 x 38	19 / 60	-	650	230	2	17	10285

Accessories for PE sump pallets 230/2

Designation	Overall dimensions cm (l x w x h)	Weight approx. kg	Order no.
Perforated plate for PE sump pallet 230/2	121.5 x 81.5 x 4.5	8	10286

Technical specifications subject to change.

Small container/laboratory trays [PG 9]

- with general construction inspection approval no. Z-40.22-485
- small container/laboratory trays from polyethylene
- fully recyclable
- can be used with/without perforated plate
- stackable for space-saving storage/transport
- non-slip plate surface
- maintenance friendly designed for Euro-pallets



PE sump pallet 201

PE sump pallet 301



PE sump pallet 401 with PE grating



PE sump pallet 1001 with PE grating

Small container/laboratory trays

Designation	Overall dimensions cm (l x d x h)	Loading capacity kg	Containment capacity l	Weight approx. kg	Order no.
PE sump pallet 201	60 x 40 x 15.5	-	20	2	8716
PE sump pallet 201 with PE grating	60 x 40 x 15.5	50	20	3	8717
PE sump pallet 301	80 x 40 x 15.5	-	30	3	8718
PE sump pallet 301 with PE grating	80 x 40 x 15.5	50	30	4.5	8719
PE sump pallet 401	80 x 60 x 15.5	-	40	3.5	8720
PE sump pallet 401 with PE grating	80 x 60 x 15.5	100	40	6.5	8721
PE sump pallet 601	100 x 60 x 17.5	-	60	4.5	8722
PE sump pallet 601 with PE grating	100 x 60 x 17.5	200	60	8.5	8723
PE sump pallet 1001	120 x 80 x 17.5	-	100	7.5	8724
PE sump pallet 1001 with PE grating	120 x 80 x 17.5	200	100	16	8725

Graduated price		rabate 3 %	rabate 5 %	rabate 8 %
Designation	Order no.	quantity	quantity	quantity
%	PE sump pallet 201 with PE grating	3	5	10
	PE sump pallet 301 with PE grating	3	5	10
	PE sump pallet 401 with PE grating	3	5	10
	PE sump pallet 601 with PE grating	3	5	10
	PE sump pallet 1001 with PE grating	3	5	10

PE collection tray 30 - mobil / twinmobil [PG 9] workshop trolley

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

- chassis galvanised with 2 steering and 2 fixed castors, dia. 100 mm, as well as a pushing handle for trouble-free maneuvering
- for carrying and storage of water-polluting substances such as cleaning agents, pesticides, used oil filters, oil-coated machine components
- PE collection tray can be removed for cleaning
- for workshop trolley, the upper support level is provided with corrugated rubber mats (no collection tray)

PE collection tray
30-twinmobil



Corrugated rubber mat
for the second support
level, see accessories



Workshop trolley with second support level
and PE sump pallet 30-mobil

PE collection tray 30 and workshop trolley

Designation	External dimensions cm (l x w x h)	Containment capacity l	Loading capacity kg	Weight approx. kg	Order no.
PE collection tray 30-mobil	112 x 63 x 104	30	100	28	8166
PE collection tray 30-twinmobil	118 x 63 x 104	30	2 x 100	50	8291
Workshop trolley	118 x 63 x 104	-	2 x 100	40	8292

Accessories for PE collection tray 30 and workshop trolley

Designation	Weight approx. kg	Order no.
PE collection tray 30 l	4	8076
Galvanised grating for PE collection tray 30 l	6	8167
Corrugated rubber mat 95 x 55 cm for second support level	1.5	8293

Canister filling stand [PG 9]

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

Canister filling stand
for canisters
up to 30 l



Canister filling stand for canisters up to 30 l



Canister filling stand for canisters up to 60 l

Canister filling stands

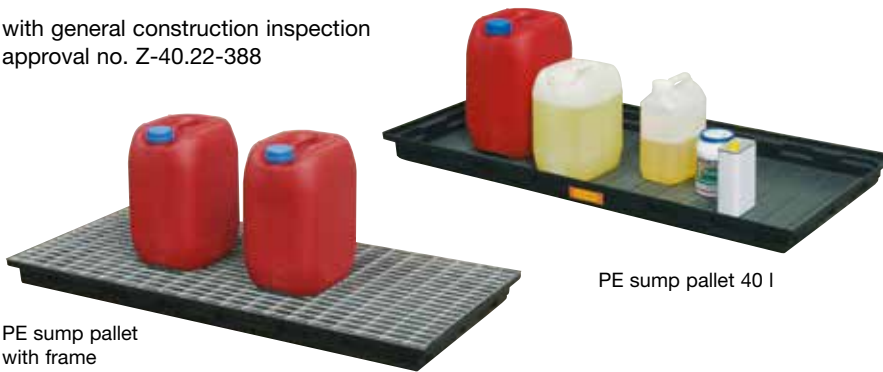
Designation / Type	External dimension cm (l x w x h)	max. canister dimensions cm (l x w x h)	Weight approx. kg	Order no.
Canister filling stand for canisters up to 30l	67 x 39 x 74	31 x 29 x 48	5.4	8007
Canister filling stand for canisters up to 60l	67 x 47 x 82	42 x 37 x 65	7.5	10100

Technical specifications subject to change.

Small containers and collection tray PE (Polyethylene)

[PG 9]

with general construction inspection approval no. Z-40.22-388



PE sump pallet with frame

PE sump pallet 40 l



Suitable for hazardous substance cabinet 13/20...



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

PE collection tray (Polyethylene)

Designation / Type		External dimensions cm (l x w x h)	Collection volume l	Loading capacity kg	Weight approx. kg	Order no.
PE collection tray 30	without grating	98 x 60 x 8.5	30	-	4	8076
	complete with steel grating	98 x 60 x 8.5	30	50	10	8077
PE sump pallet 40	without grating	130 x 62 x 8	40	-	5	7871
	complete with steel grating	130 x 62 x 8	40	50	13	7872

Accessories for PE collection trays

Designation	Order no.
Steel grating galvanized for PE collection trays 30 l	8167
Steel grating galvanized for PE collection trays 40 l	8168

Folding tray 30l [PG 9]

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



Optional: the additional super-absorbent Cemsorb tile (see page 169) can collect and trap liquid, thus eliminating sloshing. For easy clean up, the liquid and absorbent tile can be disposed of together.



Folding tray 30l

Designation	Collection 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

Graduated price		rabate 3 %	rabate 5 %	rabate 8 %
Designation	Order no.	quantity	quantity	quantity
% Folding tray 30l	10183	3	5	10

Folding trays [PG 9]

This flexible, flat PVC object can be turned with just a couple of hand movements 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
- Resistant to oils, chemicals and technical fluids
- Material: PES, surface-coated with PVC on both sides, blue (folding tray 8/12) and red (folding trays 7/7 and 10/10)



Folding tray 8/12



Multi-function folding tray can be transported by forklift



Transport bag for folding trays

Folding tray and multi-function folding trays

Designation	External dimensions expanded cm (l x w)	External dimensions tray cm (l x w x h)	Pack size cm (l x w x h)	Collection volume l	Weight approx. kg	Order no.
Folding tray 8/12	130 x 170	84 x 124 x 22,5	45 x 70 x 12	210	5.5	10179
Multi-function folding tray 7/7	105 x 105	70 x 70 x 17.5	25 x 53 x 12	75	3	10180
Multi-function folding tray 10/10	140 x 140	100 x 100 x 20	35 x 70 x 12	175	6	10181

Accessory for folding tray

Designation	Order no.
Transport bag for folding tray 8/12, 7/7, 10/10	10182

Flexible sewer cover [PG 9]

The sewer covers prevent escaped liquids from passing through drains, grates or manhole covers, thereby protecting sewer systems against pollution. Simply lay the sewer cover over the drain and the leak is stopped.

- flexible, polyurethane sealing mat
- colour: yellow
- not electrically conductive
- resistant to oil and most water-based industrial chemicals
- adhesive underside
- can be used immediately on almost every surface
- can be re-used (easy to clean with soap and water)
- extremely economical



Flexible sewer cover

Designation	External dimensions cm (l x b)	Height 9 mm Order no.	Height 13 mm Order no.
Flexible sewer cover 70 x 70 cm	70 x 70	10050	10051
Flexible sewer cover 91 x 91 cm	90 x 90	10052	10053

PE filling station [PG9]

PE filling station 450 l

- with general construction inspection approval no. Z-40.22-380
- made from high-quality polyethylene (PE)
- high chemical resistance
- collection volume 450 l
- suitable as a storage and filling station for two 200-l barrels | (with additional drum pallet for four 200-l drums)
- can be driven under



PE filling station 450 l



PE filling station with PE drum pallet (accessory)

PE filling station 450 l

Designation	Overall dimensions cm (l x w x h)	Containment capacity 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

Designation	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

Steel sump pallets [PG 9]

Steel sump pallets

Provide safe storage for water-polluting as well as inflammable substances (previously classed as A1*, AII, AIII and B).

- all SW sump pallets are equipped with hot-dip galvanized, removable gratings
- a wide range of models ensures the correct solution for every application
- approved design
- sump pallets with 100 mm ground clearance permit driving under from all sides.

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



Type SW10 painted with grating



Type SW1 painted with grating



Type SW2 painted with grating



Type SO2 galvanized with grating

Sump pallets without grating

Designation/Type	External dimensions cm (l x w x h)	Collection volume l	Capacity / no. of 200 l drums	Loading kg	Weight approx. kg	painted model Order no.	galvanized model Order no.
Type SO1	80 x 80 x 44	205	1 200 l drums and small container	300	46	8529	8530
Type SO2	120 x 80 x 35	205		450	50	7582	7680
Type SO3	180 x 80 x 28	205		750	61	10138	10139
Type SO4	120 x 120 x 26.5	205		900	56	7681	7682
Type SO4e	239 x 80 x 23	205		900	71	7683	7684
Type SO6	201 x 120 x 25,6	308		1800	87	10402	10403
Type SO8	239 x 120 x 20	205		1800	92	7685	7686
Type SO10	300,6 x 120 x 25,6	462		2800	125	10404	10405

Sump pallets with grating

Designation/Type	External dimensions cm (l x w x h)	Collection volume l	Capacity / no. of 200 l drums	Loading kg	Weight approx. kg	painted model Order no.	galvanized model Order no.
Type SW1	80 x 81 x 46	205	1 x 200 l drum	300	56	8531	8532
Type SW2	120 x 81 x 36	205	2 x 200 l drum	450	64	7583	7687
Type SW3	180 x 80.5 x 29	205	3 x 200 l drum	750	90	10140	10141
Type SW4	120 x 121 x 28.5	205	4 x 200 l drum	900	94	7688	7689
Type SW4e	239 x 81 x 25	205	4 x 200 l drum	900	100	7690	7691
Type SW6	201 x 120,5 x 266	308	6 x 200 l drum	1200	122	10406	10407
Type SW8	239 x 121 x 21	205	8 x 200 l drum	1800	166	7692	7693
Type SW10	300,6 x 120,5 x 266	462	10 x 200 l drum	2800	175	10408	10409

Graduated price		rabate 3 %	rabate 5 %	rabate 8 %
Designation / Type	Order no.	quantity	quantity	quantity
% Type SW2, Sump pallet with grating	7583	3	5	10

Technical specifications subject to change.

Steel sump pallets [PG 9]

Mobile steel sump pallets

- with hot-dip galvanized, removable gratings
- 2 steering and 2 fixed castors as well as a pushing bar for trouble-free steering
- collection volume 205 l
- containment capacity 205 l
- loading height SW1-mobile 49 cm, loading height SW2-mobile 42 cm



Mobile steel sump pallets

Designation / Type	External dimension cm (l x w x h)	200 l drum items	Loading capacity kg	Weight approx. kg	Order no.
SW1-mobile painted	98 x 81 x 104	1	300	82.5	7397
galvanized	98 x 81 x 104	1	300	82.5	7398
SW2-mobile painted	138 x 81 x 104	2	450	98.5	7399
galvanized	138 x 81 x 104	2	450	98.5	7400
Securing belt for safer transport					7420

Accessories for GRP and steel sump pallets [PG 9]







Drum stands can be combined with:

- GRP sump pallet (page 115)
- PE sump pallet (page 119 and 120)
- steel sump pallets (page 126)
- mobile sump pallets (page 115, 119 and 127)
- ground protection floor elements (page 132)
- drum racks type 120, to obtain a further storage level (page 135)
- harmful substance collection stations (page 164 and 165)
- hazardous substance stations (page 164 and 164)
- PE drum depot (page 163)

Steel sump pallet Type SW2 galvanized with accessories optional: barrel support Type FB1 for horizontal drum storage



PE barrel support for GRP and steel sump pallets

Designation / Type	External dimension cm (l x w x h)	Capacity	Weight approx. kg	Order no.
 Barrel support FB1	60 x 60 x 35	1 x 60 l or 1 x 200 l	15	7586
 Barrel support FB2	113 x 60 x 35	2 x 60 l or 2 x 200 l	21	7587
 Barrel support FB3	120 x 60 x 40	3 x 60 l	17	7835
 Barrel support stackable	63 x 45 x 53	1 x 60 l	10	7741
 PE barrel support universal	62.5 x 50 x 40	1 x 60 l or 1 x 200 l	6	7988
 PE drum pallet	94 x 138 x 39	2 x 200 l	15	8675

IBC bunds (GRP) [PG 9]

With General Construction Inspection

Approval no.: Z-40.12-315

Capacity 1000 l.

Bund from glass fibre reinforced plastic, GRP for Intermediate Bulk Containers (IBC).

The practical storage and filling station for water-polluting and flammable liquids with a flash point > 55 °C (previously AIII).

- universally applicable
e.g. for used oil, lyes and acids
- corrosion resistant

RC version without approval.

Capacity 1100 l.

Made from glass fibre reinforced plastic recycle. Without installation.



Version with galvanised steel support frame



Model with galvanized steel grating



extremely favourable price-performance ratio

universally applicable
e.g. waste oil, lyes and acids




100 % corrosion-resistant

Accessories: collision protection, can holder and base pallet

IBC bunds made of GRP

Designation	External dimensions cm (l x w x h)	Cont. à 1000 l item	Loading capacity kg	Weight approx. kg	with General Construction Inspection Approval	without Approval
					Order no.	Order no.
with galvanised steel support frame	162 x 119 x 83	1	1600	55	10398	10400
with stainless steel support frame	162 x 119 x 83	1	1600	55	10399	10401
with galvanized steel grating	162 x 119 x 91	1	1600	80	7588	8665

Accessories for IBC sumps made of GRP

Designation	Weight approx. kg	Order no.
 <p>Collision protection</p>	6	7589
 <p>Can holder, bearing surface 75 x 28 cm (w x d) for example as a drip tray</p>	4	7590
 <p>Base pallet (ground clearance 90 mm)</p>	25	7591

Technical specifications subject to change.

IBC bunds (Polyethylene) [PG 9]

With General Construction Inspection

Approval no.: Z-40.22-451

- manufactured from high quality polyethylene (HD-LMD)
- high resistance to chemicals
- capacity 1100 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



from high quality polyethylene

high resistance to chemicals



forklift- or walkie-truck-accessible

IBC bund 1100/1 PE with filling attachment (accessory)

IBC bunds PE

Designation / Type	External dimensions cm (l x w x h)	Collection volume l	Cont. à 1.000 l item	Loading capacity kg	Weight approx. kg	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 1100/2-PE with PE perforated plate	245 x 145 x 58	1100	2	4000	120	8583

Accessories for IBC bunds PE

Designation	External dimensions cm (l x w x h)	Containment capacity l bis zum Überlauf	Weight approx. kg	Order no.
 <p>Filling attachment for IBC bund 1100/1 PE</p>	59 x 64 x 107	100	10	8584
 <p>Filling attachment for IBC bund 1100/2 PE</p>	59 x 64 x 67	100	6	8585

IBC bunds (steel) [PG 9]

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



IBC bund GGS-e painted with filling stand



IBC bund GGS galvanized



IBC bund GGS painted

IBC bunds made of steel

Designation	External dimensions cm (l x w x h)	Collection volume l	Cont. à 1000 l item	Loading capacity kg	Weight approx. kg	Order no.
IBC bund made of steel GGS painted	135 x 125 x 76	1000	1	2000	180	7392
IBC bund made of steel GGS galvanized	135 x 125 x 76	1000	1	2000	180	7393
IBC bund made of steel GGS-e painted	268 x 125 x 46	1000	2	4000	260	7394
IBC bund made of steel GGS-e galvanized	268 x 125 x 46	1000	2	4000	260	7395

Accessories for IBC bunds made of steel

Designation	External dimensions cm (l x w x h)	Collection volume l	Cont. à 1000 l item	Loading capacity kg	Weight approx. kg	Order no.
Filling stand galvanized	133 x 122 x 40	-	1	2000	20	7396
Can holder for IBC bunds GGS and GGS-e	35 x 30 x 19	-	-	-	4	8740

Technical specifications subject to change.

Ground protection systems (Polyethylene) [PG 9]

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



Ground protection systems (Polyethylene)

Designation / Type		Overall dimensions cm (l x w x h)	Containment capacity l	Safe working kg	Weight approx. kg	Order no.
PE ground protection systems	FS 150 / 16 / 8-PE	160 x 80 x 15	120	500	24	8525
	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

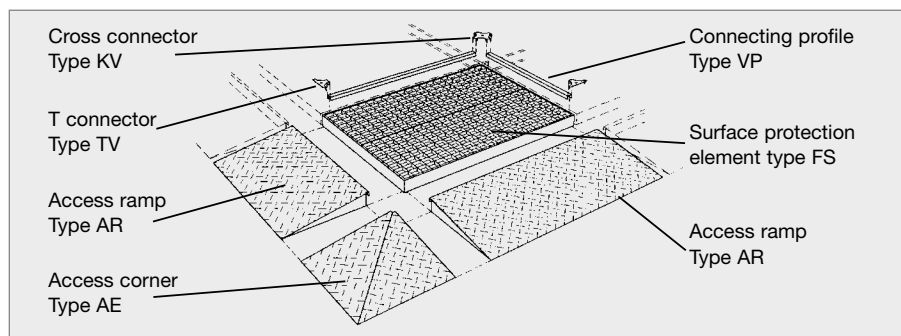
Designation		Overall dimensions cm (l x w x h)	Diameter Ø cm	Order no.
 Connecting rail, long		150 x 4 x 4	-	8676
 Connecting rail, short		70 x 4 x 4	-	8677
 Cross connector		9,5 x 6,7 x 1	8	8678

Ground protection systems (Steel) [PG 9]

Ground protection systems made from steel to ensure safe handling of water-polluting as well as flammable substances (previously classed as A1*, AII, AIII and B). 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
- approved design

- modular, matched elements
- painted (RAL 5002, ultramarine blue) or galvanized
- with hot-dip galvanized gratings



Systemelemente

Designation / Type	External dimensions cm (l x w)	Height cm	Collection volume l	Capacity kg/m ²	Wheel load kg	Weight approx. kg	Order no.
Ground protection	FS 55/13/13 painted	131 x 131	5.5	49	5000	450	7401
	FS 55/13/18 painted	131 x 181	5.5	69	5000	450	7402
	FS 55/18/18 painted	181 x 181	5.5	96	5000	450	7403
	FS 108/13/13 painted	131 x 131	11	105	5000	450	7404
	FS 108/13/18 painted	131 x 181	11	146	5000	450	7405
	FS 108/18/18 painted	181 x 181	11	202	5000	450	7406
Access ramp	AR13 galvanized	126 x 72	5.5			30	7407
	AR18 galvanized	176 x 72	5.5			42	7408
	AE galvanized	72 x 72	5.5			21	7410
	AR13 galvanized	126 x 72	11			34	7411
	AR18 galvanized	176 x 72	11			46	7412
	AE galvanized	72 x 72	11			23	7414

Manufactured to order. Delivery approx. 3-4 weeks. Galvanized version of ground protection elements upon request.

Fastening elements

Designation / Type	External dimensions mm (w x l)	Weight approx. kg	Order no.
VP13 galvanized	38 x 1280	2	7415
VP18 galvanized	38 x 1780	3	7416
KV galvanized	200 x 200	1	7418
TV galvanized	200 x 100	1	7419

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

Drum racks

Drum racks for approved and space-saving storage of barrels and other containers. All drum racks are completely hot-dip galvanized and have a corrosion free GRP sump pallet for long-term safe use. Due to their absolute corrosion resistance, GRP sump pallets can be placed directly on the ground.

The low installation height facilitates handling in the factory/ workshop. The different rack models permit filling over the projecting sump pallet even for the most widely varying types of barrels and containers. The rack ensures optimum matching to the actual operating conditions.

Delivered in space-saving individual parts, easily and quickly assembled.

Sump pallets with General Construction Inspection Approval no. Z-40.12-227 granted by DIBt-Berlin.



Drum racks

Example:

Drum rack type 360

has two grating levels and six dip-in individual drum supports, which can be clipped in different positions in two storage levels.

Accessories:

Can holder, steel grating for 3rd storage level

quick and easy assembly

universally applicable
e.g. waste oil, lyes and acids

corrosion-resistant

3 storage levels

minimum inspection requirements, no additional inspection of sump pallet bottom (compare steel sump pallets)



Accessories



Sump pallet supports for secure standing on uneven ground and to permit driving under the drum rack



PE collection tray 40 l



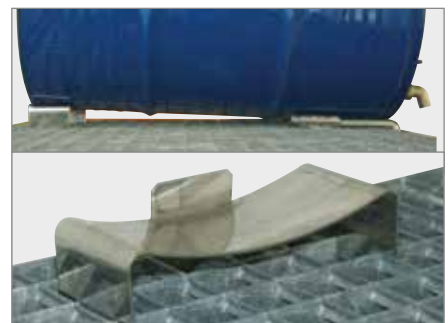
Can holder for easy filling of small containers



Ball valve for quick and simple discharge



Rotating roller support for simple movement of drums



Drum supports „raising“ for optimum emptying of 60 l drums

Technical specifications subject to change.

Drum racks Type 120 [PG 9]

- 2 storage levels for up to two 60l barrels

or

- 2 storage levels for small containers

or

- 1 storage level for one 60l barrel and 1 storage level for small containers

- GRP sump pallet with 65l containment capacity



- Drum supports

Model 3
Drum rack Type 120



Application example:
with **steel grating**
for GRP sump pallet
as 3rd storage level
(see page 116)

Application example:
with **stackable barrel support**
as an extra
storage level for a 60 l
drum (see page 127)

Drum rack type 120 for small containers and 60 l barrels

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

Accessories see page 139.

Technical specifications subject to change.

Drum racks type 360 and type 540 [PG 9]



Drum rack type 360
with GRP sump pallet

Application example:
with can holder and steel grating as 3rd
storage level (accessories see page 139)



Drum rack type 540
with GRP sump pallet

Application example:
with can holder and steel grating as 4th
storage level (accessories see page 139)



Drum rack type 540
with steel sump pallet

Drum rack type 360 for small containers and up to 6 x 60 l barrels

Designation	Overall dimensions cm (l x w x h)	Heights of storage levels in cm from ground	Weight approx. kg	Order no.
Drum rack type 360 with GRP sump pallet 150l (5113) with drum supports for 6 x 60 l barrels and small containers	132 x 80 x 130	69 / 117	60	7642
Drum rack type 360 with steel sump pallet SW2 (7583) with drum supports for 6 x 60 l barrels and small containers	132 x 80 x 130	36 / 69 / 117	115	10253

Drum rack type 540 for small containers and up to 12 x 60 l barrels

Designation	Overall dimensions cm (l x w x h)	Heights of storage levels in cm from ground	Weight approx. kg	Order no.
Drum rack type 540 with GRP sump pallet 150l (5113) with drum supports for 6 x 60 l barrels and small containers	132 x 80 x 200	69 / 117 / 165	82	7734
Expansion unit for type 540 with GRP sump pallet 150l (5113) with drum supports for 6 x 60 l barrels and small containers	132 x 80 x 200	69 / 117 / 165	72	7855
Drum rack type 540 with steel sump pallet SW2 (7583) with drum supports for 6 x 60 l barrels and small containers	132 x 80 x 200	36 / 69 / 117 / 165	137	10254
Expansion unit for type 540 with steel sump pallet SW2 (7583) with drum supports for 6 x 60 l barrels and small containers	132 x 80 x 200	36 / 69 / 117 / 165	127	10255

Accessories see page 139.



Combined drum
rack type 540 and
expansion unit type
540



Combined drum rack
type 540 and hazardous
substance rack 13/20
(see page 140)

Drum racks type 400 [PG 9]

- 2 storage levels for up to four 60l barrels or two 200l barrels

or

- 1 storage level for small containers and 1 storage level for up to two 60l barrels or one 200l barrel

- GRP sump pallet with 220l containment capacity


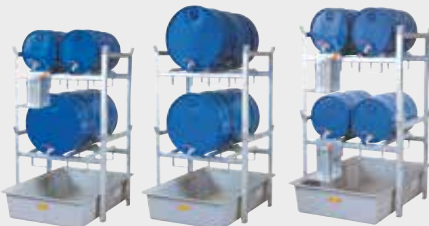



Can holder
(accessory
see page 139)

• Drum supports

Model 2
Drum rack type 400

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

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

Accessories see page 139.

Drum rack type 800 [PG 9]

- 2 storage levels for up to six 60l barrels or four 200l barrels

or

- 1 storage level for small containers and 1 storage level for barrels

or

- 1 storage level for barrels

- GRP sump pallet with 220l containment capacity









- Drum supports

Can holder (accessory see page 139)

Model 3
Drum rack type 800

Drum rack type 800 for small containers and up to 4 x 200 l barrels

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

Accessories see page 139.

Technical specifications subject to change.

Accessories for drum racks [PG 9]

Accessories drum racks type 120 up to type 800

	for Type	Designation	Overall dimensions cm (l x d x h)	Heights of storage levels in cm from ground	Weight approx. kg	Order no.
	400	Sump pallet support (pair), sump pallet can be driven under by forklift		15	7	7668
	800	Sump pallet support (pair), sump pallet can be driven under by forklift		15	10	7679
	400	Storage level for 1 x 200 l or 2 x 60 l drums	99 x 66 x 84	62	28	8326
	800	Storage level for 2 x 200 l drums	141 x 66 x 84	62	33	8328
	800	Storage level for 3 x 60 l drums	141 x 66 x 84	62	36	8329
	120	Steel grating for GRP sump 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 122)	130 x 62 x 8	22	5	7871
	120	Stackable drum support, for an extra storage level for a 60 l drum (see page 127)	63 x 45 x 53	167	10	7741
	400	Grating level for small containers	99 x 125 x 84	62	40	8327
	360 540	Drum supports 3 pcs. per storage level			1	7800
	360 540	Drum supports „raising“ 3 pieces for one storage level for optimum emptying of the 60 l drums			1	8254
	400 800	Rotating roller support for 200 l barrel (pair)		66	6	7669
	360 400 540 800	Edge border (4-part), galvanized for sideways insertion in the steel grating for securing storage material such as small containers, etc. from filling off (see page 116)				6990
	120 360 540	Can holder, galvanized, bearing surface 23 x 11 cm (w x d)			2	5917
	400 800	Can holder, galvanized, bearing surface 18,5 x 11 cm (w x d)			2	7727
	alle	Discharge ball valve 1/2", nickel plated brass, angled 90° [PG 1]			1	3775
	alle	Discharge ball valve 3/4", nickel plated brass, angled 90° [PG 1]			1	3776

Environmental/HazMat racks [PG 9]

Environmental/HazMat rack 10/20

For storage of water-polluting substances in small containers up to 30 l capacity. The tray is completely galvanized and can be assembled without screws or tools. It has 5 shelf floors which can be positioned in mounting points that have 25mm spacing and two 30 l, PE collection trays. General Construction Inspection Approval no. Z-40.22-388. Each level can support up to 200 kg.



Environmental/HazMat rack 13/20

For storage of water-polluting substances in small containers up to 20 l capacity. It is completely hot-dip galvanized and equipped with a 20 l leak-tight tray bottom welded in accordance with StawaR (German guidelines for the requirements of steel container trays of capacity up to 1000 l) lowest storage level. Each level can support up to 200 kg.





Environmental/HazMat rack 10/20 with expansion rack (PE sump pallet, accessory)

Environmental/HazMat rack 10/20 for small containers

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

Environmental/HazMat rack 13/20 for small containers

Designation	Overall dimensions cm (l x d x h)	Heights of storage levels in cm from ground	Weight approx. kg	Order no.
 Environmental/HazMat rack 13/20 for small containers	132 x 63 x 200	16/69/117/165	92	7820
 Expansion unit for Environmental/HazMat rack 13/20	132 x 63 x 200	16/69/117/165	82	7856

Accessories Environmental/HazMat racks 10/20 and 13/20

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

* see page 122

Technical specifications subject to change.

Environmental/HazMat cabinets

The Environmental/HazMat cabinets serve for the safe and approved storage of water and environmentally polluting substances within buildings. They are manufactured from quality steel sheets and provided with folding doors, which are locked using a cylinder lock (two keys). Because the environmental/HazMat cabinets can be locked, access can be restricted to personnel with appropriate training for the handling of hazardous substances.

Not suitable for the storage of flammable substances in the work place.

Example application:

The Environmental/HazMat cabinets provide an optimum solution for the storage of pesticides within a communal or agricultural company, because according to VAWs for the storage of pesticides up to 1,000 kg (or 200 kg T & T+), simplified regulations apply. We will be happy to advise you.

The CEMO Environmental/HazMat cabinets comply with:

- **The technical regulations for flammable liquids**, TRbF 20 3.1.5.2 (3) and (4) 1. and 2.
- **The technical regulations for hazardous substances**, TRGS 514 1 (1), 1 (2) 4., 1 (3) and TRGS 515 1 (1) and 1 (2) 4., 1 (3) as well as 3.3.3 1. and 2. .
- **The Hazardous Materials Act** GefStoffV §24 (1), (2) and (3).
- **DIN ISO 14.000 ff**



Technical specifications subject to change.

Environmental/HazMat cabinet 10/20 and 5/20

[PG 9]

With General Construction Inspection
Z-38.5-213

- TÜV/GS tested
- high collection volumes
- lockable (2 keys supplied)
- integrated ventilation gratings above and below
- doors with 180° opening angle
- support floors designed as a tray
- load capacity per tray floor approx. 80 kg
- shelf heights can be adjusted in 15 mm steps
- light gray baked powder spray finish (RAL 7035)
- labelling with warning signs
- map case holder for data sheets, packing notes, etc.



Insertable perforated plates as an accessory





Environmental/HazMat cabinet 10/20
(picture with insertable perforated plates as an accessory)



Environmental/HazMat cabinet 5/20
(picture with insertable perforated plate as an accessory)

TIP: An approved collection tray is not required for a total storage volume of < 100 l liquid materials. Simple tray bottoms suffice in this case.

Environmental/HazMat cabinet 10/20 and 5/20

Type	Supplied with:		Overall dimensions cm (l x d x h)	Weight approx. kg	with General Construction Inspection Approval	without approval
	Bottom tray	Floor tray			Order no.	Order no.
 10/20	1 x 30 l	3 x à 20 l	93 x 50 x 195	75	8547	8035
 5/20	1 x 16.5 l	3 x à 10 l	50 x 50 x 195	50	8552	8036

Accessories for Environmental/HazMat cabinet 10/20 and 5/20

für Type	Designation	Weight approx. kg	with General Construction Inspection Approval Order no.	without approval Order no.
 10/20	Floor tray 20 l (1 pc. for repeat ordering)	4.5	8550	8039
5/20	Floor tray 10 l (1 pc. for repeat ordering)	2.5	8555	8040
 10/20	1 insertable perforated plate (1 pc. for repeat ordering)	5	8551	8551
5/20	1 insertable perforated plate (1 pc. for repeat ordering)	3	8556	8556
10/20	1 set insertable perforated plate (4 pcs.)	20	8549	8549
5/20	1 ser insertable perforated plate (4 pcs.)	11.5	8554	8554

Technical specifications subject to change.

Environmental/HazMat cabinet 13/20 [PG 9]

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 map case holder in which packing notes, treatment instructions, etc can be properly stored. The base frame and the grating floor are completely hot-dip galvanized.

The Environmental/ HazMat cabinet 13/20 is optionally available with a 150 l GRP sump pallet with General Construction Inspection Approval Z-40.1-227

or with a galvanized 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 incl. discharge valve.

The cabinet is delivered ready for assembly.



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





Closed with warning signs



Environmental/HazMat cabinet 13/20 with tray bottom

Environmental/HazMat cabinet 13/20

Designation	Overall dimensions cm (l x d x h)	Weight approx. kg	Order no.
 <p>with GRP collection tray 150 l and 4 gratings as well as doors, side parts, roof and rear wall</p>	132 x 80 x 200	202	7954
 <p>with 3 gratings and 1 x tray bottom 20 l as well as doors, side parts, roof and rear wall</p>	132 x 63 x 200	204	7956

Accessories for Environmental/HazMat cabinet 13/20

Designation	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 100l or more, approved collection trays are 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 122

Technical specifications subject to change.

Secure cabinets *PROTECTO-LINE* FWF 30 and FWF 90 [PG9]

Cabinets for proper storage of hazardous materials in accordance with DIN EN 14470-1 and TRbF 20 (appendix L).

The secure cabinets *PROTECTO-LINE* are design approved in accordance with **DIN EN 14470-1**. The cabinets are resistant to fire for 30 or 90 minutes. In accordance with TRbF 20 (appendix L), up to 200l AI fluids can be stored in work rooms in secure cabinets FWF30 and up to 450l AI fluids in safety cabinets FWF90. The outer body consists of a non-combustible material (for FWF90) or BI material (for FWF30). The surface coating is highly resistant to chemicals. Colour light grey, similar to RAL 7035.

The secure cabinets are equipped with:

- tray bottoms from powder-finished steel plate (3 pcs.)
- a bottom tray from powder-finished steel plate with a perforated plate insert
- hydraulically damped door closers
- door closing system (heat triggered)
- ventilation connection
- earthing according to BGR 132
- feet adjustable from inside
- GS/CE label







Type 12/20



Type 6/20

Secure cabinets *PROTECTO-LINE* FWF 30 and FWF 90

Designation / Type	External dimensions cm (l x d x h)	Internal dimensions cm (l x d x h)	Weight approx. kg	Order no.
 12/20 - FWF30	119.5 x 59.5 x 196	107.5 x 51.5 x 160	226	8055
 12/20 - FWF90	120 x 59.5 x 196	111.6 x 48.3 x 160.3	600	8700
 6/20 - FWF30	59.5 x 59.5 x 196	47.5 x 51.5 x 160	147	8057
 6/20 - FWF90	60 x 59.5 x 196	51.6 x 48.3 x 160.3	340	8701

Technical specifications subject to change.

Drum cabinet FSF90 [PG 9]

For storage of flammable liquids in work areas

- for the safe workplace storage of flammable liquids (R10 - R12) in compliance with DIN EN 14470-1 and TRbF 20 (Annex L).
- GS and CE conformity marks
- 90 minute fire-resistance
- made from non-combustible material (A2), with surface coating
- highly chemical-resistant surface
- grey body similar to RAL 7035 light grey micro pearl, with contrasting edges
- Automatically lockable door
- door closing system - locks automatically in the event of fire
- ventilation and extraction on cabinet roof
- heat-triggered ventilation and extraction
- additional shelf, dimensions: 144 x 49 x 2.5 cm, load bearing capacity: 75 kg
- with 220 l collection tray
- with ground clearance for forklift access



Floor tray with galvanised steel grating, containment capacity: 220 l

Drum cabinet FSF90

Designation	External dimensions cm (l x d x h)	Internal dimensions cm (l x d x h)	Weight approx. kg	Order no.
Drum cabinet FSF90 passive	150 x 100 x 265	145 x 88 x 210	850	10099

Exhaust air fan with airflow monitoring [PG 9]

Emerging vapours and gases must be extracted directly on location. The ventilation systems ensure the ventilation of secure cabinets, tank cabinets and transfer-filling cabinets.

The ventilation system must be connected to an existing air-extraction line.

In working rooms, no explosion-hazard area is defined around technically ventilated secure cabinets, insofar as no other sources in the room cause an explosion-hazard area (TRbF 20 Annex L Para.) 4.1)

- Sheet-steel housing, powder-coated, light-grey RAL7035
- Includes cabinet connection adapter

- ATEX-compliant for extraction from explosion-protection zone 2
- Sound pressure level Lp2A: 35 dB(A)
- Flow rate: 50 - 200m³/h
- Overall pressure: 250 - 50 Pa
- Floating output via DIN socket
- Voltage: 230 V
- Current consumption: max. 0.45 A
- Frequency: 50 Hz
- Protection class CE II 3 G T4
- External dimensions (WxDxH): 250 x 425 x 255 mm
- Connecting fitting ND 75mm



Ventilation system

Designation	External dimension cm (l x w x h)	Order no.
Exhaust air fan for safety cabinet Type FWF 30	25 x 42.5 x 25.5	10184
Exhaust air fan for safety cabinet Type FWF 90	25 x 42.5 x 25.5	8739
Exhaust air fan for fire safety drum cabinet Type FSF90 passive	25 x 42.5 x 25.5	10185

Recirculation fan with active carbon filter on request

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 galvanized sheet steel. Wall and roof elements from galvanized trapeze profile corrugated sheet steel.

Wall, roof and floor sections made from thick steel plates. Hot dipped galvanized 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 galvanized with 2-wing door and ventilator (optional, see accessories)

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



SRC 4.1W galvanized, 4 sliding doors, per 2 overlapping



SRC 3.3W galvanized 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

Technical specifications subject to change.

Safety storage containers [PG 9]



SRC 3.1 painted with 1-wing door (199,6 cm high, 130 cm wide) on the long side, shelf and transparent roofing sheet (optional, see accessories)



SRC 4.1 , galvanized and painted

Safety storage container for water polluting substances/HazMat

Designation	External dimensions cm (l x w x h)	Base surface/ m ²	Containment capacity in l	galvanized model		galvanized and painted	
				position of door		position of door	
				Long side Order no.	Narrow side Order no.	Long side Order no.	Narrow side Order no.
Type SRC 1.1W	235 x 91.5 x 234	2.1	300	8043	–	8210	–
Type SRC 2.1W	235 x 195 x 234	4.6	630	8044	8743	8211	8752
Type SRC 3.1W	298.5 x 235 x 234	7.0	1000	8744	8045	8753	8212
Type SRC 3.2W	471 x 298.5 x 234	14.0	2 x 1000	8745	8209	8754	8213
Type SRC 3.3W	705 x 298.5 x 234	21.0	3 x 1000	8746	8749	8755	8758
Type SRC 4.1W	402 x 235 x 234	9.5	1000	8747	8750	8756	8759
Type SRC 5.1W	505.5 x 235 x 234	11.9	1000	8748	8751	8757	8760

On delivery: Unloading of the goods by the customer.

Safety storage container for water polluting substances/HazMat with heat insulation

For protection against frost and cold Equipment and raw materials are protected against cold by a heater (Accessories p. 149) 45-mm PU thermal insulation and galvanized sheet steel cladding on both sides.

Designation	External dimensions cm (l x w x h)	Base surface/ m ²	Containment capacity in l	galvanized model		galvanized and painted	
				position of door		position of door	
				Long side Order no.	Narrow side Order no.	Long side Order no.	Narrow side Order no.
Type SRC 1.1T	235 x 91.5 x 239	2.1	300	8214	–	8218	–
Type SRC 2.1T	235 x 195 x 239	4.6	630	8215	8761	8219	8764
Type SRC 3.1T	298.5 x 235 x 239	7.0	1000	8762	8216	8765	8220
Type SRC 3.2T	471 x 298.5 x 239	14.0	2 x 1000	8763	8217	8766	8221

On delivery: Unloading of the goods by the customer.

Safety storage container with sliding door for water-polluting substances

Designation	External dimensions cm (l x w x h)	Door position on wall side	Base surface/ m ²	Containment capacity l	galvanized	galvanized and painted
					Order no.	Order no.
Type SRC 3.1W ST	298.5 x 237 x 234	298.5	7.0	1000	8767	8772
Type SRC 3.2W ST	473 x 298.5 x 234	298.5	14.0	2 x 1000	8768	8773
Type SRC 3.3W ST	707 x 298.5 x 234	298.5	21.0	3 x 1000	8769	8774
Type SRC 4.1W ST	402 x 237 x 234	402	9.5	1000	8770	8775
Type SRC 5.1W ST	505.5 x 237 x 234	505.5	11.9	1000	8771	8776

On delivery: Unloading of the goods by the customer.

Safety storage containers [PG 9]



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



Model with sliding 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

Designation	External dimensions cm (l x w x h)	Base surface/ m ²	Containment capacity in l	galvanized model		galvanized and painted	
				position of door		position of door	
				Long side Order no.	Narrow side Order no.	Long side Order no.	Narrow side Order no.
Type SRC 1.1N	235 x 91.5 x 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

On delivery: Unloading of the goods by the customer.

Safety storage container with sliding door and natural ventilation

Designation	External dimensions cm (l x w x h)	Door position on wall side	Base surface/ m ²	Containment capacity l	galvanized	galvanized and painted
					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

On delivery: Unloading of the goods by the customer.

Technical specifications subject to change.

Safety storage containers [PG 9]

Accessories for safety storage containers

Designation		Weight approx. kg	Order no.
	Shelf short, for insertion in, shelf dimensions 100 x 50 cm, 3 shelves (load 120 kg/storage level)	34	8046
	Shelf long, for insertion in, shelf dimensions 200 x 50 cm, 3 shelves (load 120 kg/storage level)	63	8047
	Access ramp*, max. wheel load 450 kg, 70 x 120 cm (w x d)	34	8048
	Double wing door, surcharge (199.6 cm high, door wing 125 cm wide, side wing 65 cm)		8222
	Double wing door insulated, surcharge (199.6 cm high, door wing 125 cm wide, side wing 65 cm)		8223
	PVC translucent sheet 90 x 200 cm to allow for daylight illumination		10270
	Ventilator for ventilation in explosion prevention model		8224
	Ribbed tube heater 850 W for safety storage container 1.1 T up to 3.1 T in explosion prevention model		8225
	Ribbed tube heater 1700 W for safety storage container 3.2 T in explosion prevention model		8226
	Convactor heater with temperature controller (non-ex, picture similar)	2 kW	10271
		3 kW	10272
	Oval lamp 60 W in explosion prevention model		8227
	Long field lamp 2 x 58 W in explosion prevention model		8228
	Fuse box IP54 (imperatively necessary in case of electrical equipment)		8230
	Delivery with HGV-mounted crane (not discountable)		8239
	Set of 4 crane eyelets for up to 1 t total load for safety storage container		10070
	Set of 4 crane eyelets with bars for up to 3 t total load for safety storage container		10071

* not suitable for models with sliding doors

BCK F90 walk-in fireproof storage

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

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

age unit is a separate fire compartment.

- F90 fire protection inside and outside
- delivered ready for use
- stable, welded design
- thermally insulated with a high thermal insulation value
- with integrated sump made of galvanized sheet steel
- load-bearing surface with removable, galvanized steel gratings, 1000 kg/m²

- automatically closing doors with anti-panic function
- door optionally in the narrow or long side, single- or double-leaf
- low threshold, 160 mm
- corrosion protection via 2C paint in RAL 9002 grey-white



BCK 6N with 2-leaf door on the narrow side



BCK interior view with optional small parts rack

BCK 6N with 2-leaf door on the long side with optional access ramp

BCK N walk-in 2400 width, 2400 height

Designation / Type	External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Containment capacity l	Storage capacity m ²	Order no.
BCK 2N	204 x 241 x 242	183 x 220 x 210	500	4.0	8534
BCK 3N	304 x 241 x 242	283 x 220 x 210	780	6.2	8535
BCK 4N	404 x 241 x 242	383 x 220 x 210	1060	8.4	8536
BCK 5N	504 x 241 x 242	483 x 220 x 210	1340	10.6	8537
BCK 6N	604 x 241 x 242	583 x 220 x 210	1620	12.8	8538

Ex works – Please ask for freight rates!

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

Technical specifications subject to change.

BCK F90 Fire protection storage racks

Wherever hazardous materials are stored in tanks or IBCs and they are moved with forklifts, fireproof storage units must be used as rack storage.

The BCK fireproof rack storage units meet these requirements for safe and environmentally compatible storage.

The BCK rack storage units can be used

practically anywhere, both indoors and outdoors.

They provide fire protection for up to 90 minutes.

- F90 inside and outside
- delivered ready for use
- stable, welded design

- thermally insulated with a high thermal insulation value
- with integrated sump, galvanized
- automatically closing doors
- set-up as serial facility possible
- rack load: 3000 kg for Euro-pallet racks, 4000 kg for IBC racks



Two BCKs prepared for set-up as serial storage units



BCK R 2726



BCK racks are easy to load.



Temperature sensor for fire detection (accessory)



Technical ventilation with up to fivefold air exchange (accessories)



Rain gutter over the door (basic equipment), door retainer and overhead door closers with sequential closing configuration for leaf doors (accessories)

BCK drum racks (sump 320 l)

Designation	External dimensions cm (l x w x h)	Compartment dimensions 1st level cm (l x w x h)	Compartment dimensions 2nd level cm (l x w x h)	Capacity	Order no.
BCK R 2726-1-320	318 x 174 x 288	270 x 120 x 255	none	3 Euro pallets	8539
BCK R 2726-2-320	318 x 174 x 288	270 x 120 x 120	270 x 120 x 120	6 Euro pallets	8540

BCK IBC racks (sump 1000 l)

Designation	External dimensions cm (l x w x h)	Compartment dimensions 1st level cm (l x w x h)	Compartment dimensions 2nd level cm (l x w x h)	Capacity	Order no.
BCK R 2726-1-1000	318 x 174 x 303	270 x 120 x 255	none	2 IBC	8541
BCK R 2726-2-1000	318 x 174 x 303	270 x 120 x 150	270 x 120 x 97	2 IBC+small containers	8542

Other sizes available on request.

Ex works – Please ask for freight rates!

CUBE-Tank for lubricants [PG 4]

NEW

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,

such as the part components not being optimally integrated or unprotected parts causing faults during the filling process, are a thing of the past.

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

Dispensing station for lubricants, Basic and Premium

- with general construction inspection approval Z-40.21-510
- comprising integral sump
- optical bund alarm
- tanker coupling
- electronic overfill sensor
- vent
- analogue contents gauge
- suction hose
- 230V electric gear pump 9l/min at 12 bar (cannot be calibrated)
- 4 m 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 9l/min, max. delivery pressure 12 bar, suitable for engine, transmission and hydraulic oils up to SAE 140



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



CUBE-Tank for lubricants 1.000l Outdoor Premium

CUBE-Tank for lubricants 1.500l Outdoor Premium

CUBE-Tank for lubricants

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

Technical specifications subject to change.

CUBE-Tank for lubricants [PG 4]

NEW

An open lid gives you unimpeded access to all components from three sides.

Everything has its place here. All components are clearly located on an optimal work level within the collection tray.

The integrated delivery nozzle holder provides safe support.



Accessory hose reel



Accessory LED instrument lighting

Accessories for CUBE-Tank for lubricants

Designation	Order no.
Hose reel with 15 m filling hose	10423
LED instrument lighting with motion sensor and battery	10378

Compact lubricant system ECO, pneumatic

for fresh oil [PG 4]

Single tank from HDPE with integral galva- nized steel plate bund, standard accessories such as pallet feet, level indicator, optical leak detector, suction set, pump, 4 m filling hose and manual digital flowmeter, 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


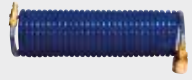


Compact systems with pneumatic pump

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

Type / Capacity, l	Dimensions cm (l 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 retractor	108	8816
① UNI 1000	138 x 77 x 180	4 m, hose holder	114	8817
② UNI 1000	138 x 77 x 187	15 m, open retractor	132	8818

Accessories

Description	Order no.
 Service unit	7584
 Spiral hose 5 m for pneumatic pump	7585

More accessories see page 101.

Full assembly of ECO compact lubricant system	10211
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* National installation laws and conditions must be adhered to – we will be happy to advise.

Technical specifications subject to change.

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

Single tank from HDPE with integral galvanised sheet steel bund, standard accessories such as pallet base, filling level indicator and optical leak indicator, suction kit, pump, filling hose and digital manual flowmeter, with holder and drip tray.
Without installation.

For storage of fresh and waste oil with a flash point >55 °C and approved for use in water protected areas without a bund* when installed indoors.

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



Electric pump 230 V (cannot be calibrated) with a delivery rate of 9 l/min and max. delivery pressure of 12 bar

Compact lubricant system with electric pump

Type / Capacity, l	Dimensions cm (l x w x h)	Hose	Weight approx. kg	Order no.
UNI 750	108 x 77 x 167	4 m, hose holder	90	8251
UNI 750	108 x 77 x 187	15 m, open rewriter	108	8679
① UNI 1000	138 x 77 x 167	4 m, hose holder	114	8252
② UNI 1000	138 x 77 x 187	15 m, open rewriter	132	8680
③ UNI 1500*	187 x 77 x 210	4 m, hose holder	168	8681
④ UNI 1500*	212 x 77 x 210	15 m, open rewriter	188	8682

* incl. filling connection with TW coupling, bleeding cap and overfilling protection

More accessories see page 101.

Full assembly of ECO compact lubricant system	10211
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* National installation laws and conditions must be adhered to – we will be happy to advise.

Technical specifications subject to change.

Lubricant tanks for fresh and waste oil [PG 4]

Individual tank from HDPE with integral galvanised sheet steel bund, standard accessories such as filling level indicator, 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 1000 l), thus no steps are required when filling with waste oil.

UNI-Tank

Single tank as described above with foot pallet.

MULTI-Tank

Single 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 fitted pump. Examination after 2½ years (see ADR 6.5.1.6.4.b).***
- lower centre of gravity increases stability and improves handling/ transport.



Cover, suitable for UNI/MULTI Tank 340 l and 1000 l (accessory)



MULTI-Tank series



Base pallets with collision protection

UNI-Tank

Capacity, l	Dimensions cm (l 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
1000	128 x 77 x 142	Z-40.21-288	89	7380
1500	163 x 77 x 185	Z-40.21-432	151	7881

MULTI-Tank








Capacity, l	Dimensions cm (l x w x h)	Storage and transport Approval No.	Weight approx. kg	Order no.
400	73 x 70 x 117	Z-40.21-365 / D/BAM6403/31 HA1	55	7536
750	98 x 77 x 146	Z-40.21-288 / D/BAM11580/31 HA1	82	7381
1000	128 x 80 x 147	Z-40.21-288 / D/BAM11581/31 HA1	100	7382
1500	164 x 80 x 187	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.

Lubricant tanks for fresh and waste oil [PG 4]

Accessories for UNI- and MULTI-Tank

Designation	Order no.
 <p>GRP filling funnel with sealable lid</p>	7389
 <p>Suction pipe with tanker coupling for UNI/MULTI-Tank up to 1000 l</p>	7390
<p>Suction pipe with tanker coupling for UNI/MULTI-Tank 1500 l</p>	8323
 <p>Hand pump for engine oils up to SAE 50 for UNI/MULTI-Tank up to 1000 l</p>	1452
 <p>Overfill protection complete, supply voltage 230 V, comprising: level sender (probe) with reducer R 1" and 3/4", indicator (warning arrangement) with warning lamp and buzzer.</p>	7330
 <p>Signal horn for overfill protection also necessary for larger separations between vehicle and tank</p>	5269
 <p>Leakage detector device optical and acoustic</p>	7391
 <p>Cover, suitable for UNI/MULTI Tank 340 l and 1000 l, made of polyethylene, with a steel frame, also suitable for stacking empty containers on top of each other</p>	8909
 <p>Ultrasonic fill-level indicator, suitable for UNI-/MULTI-Tank, all sizes</p>	10275

Mobile compact lubricant system Viscotroll [PG 4]

Mobile compact lubricant system is the ideal oil dispenser solution in all cases, where the drum may have to be moved anywhere within the workshop. Thanks to the electric power supply, connection to any type of socket is possible and no compressed air supply is needed. The unit has a self-priming gear pump, which guarantees a constant flow rate as well as even, pulsation- and noise-free flow. A flowmeter with a display integrated into the nozzle enables exact metering and volume control of the dispensed liquid.

Viscotroll

Pump technical data - see Viscomat lubricant pump 200/2 page 100.

Wheeled barrel carrier of tubular construction complete with nozzle holder, hose holder and drip tray, self-priming pump with connected 230 V AC asynchronous motor with self-ventilation (protection category IP 55), 1" suction hose with foot valve and filter, 4 m pressure hose 1/2", nozzle with flexible end, drop-free automatic valve.

Viscotroll 200/2 with flowmeter pressure switch with incorporated safety valve available on request



Type	Weight approx. kg	Order no.
Viscotroll 200/2 with flowmeter K400	35	7910

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

two connection flanges (dia. 170 mm) _____
for up to 8 connection options

outdoor installation _____

double wall, therefore no bund
necessary, even in water _____
protection areas (however
check local regulations)

easy tank cleaning _____

with maintenance-free, _____
visual leak detector

leak indicator (accessory)
for connecting up to 25 _____
individual tanks of all sizes

100% corrosion-resistant _____

translucent tank wall for _____
easy filling level monitoring

25 year tank warranty _____

Tank approval no.: Z-40.11-280 _____



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

CEMO DWT tanks, double-walled, can be retrofitted with a leak indicator (conforming to safety class 1).



- integrated optical leakage detection
- leak detector 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.
1300	150 x 74 x 156	80	7388
1500	150 x 74 x 180	90	7327
2000	200 x 86 x 156	100	7328
2350	200 x 86 x 180	110	7329



Technical specifications subject to change.

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



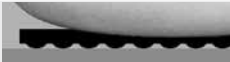
Accessories for fresh oil storage tank

Designation	Order no.
 <p>Dome lid (steel) with 4 threaded pipe couplings (straight), 2" for filling, also 2", 1 1/2" and 1". Supplied with: a blanking cap for each pipe coupling 2", 1 1/2" and 1".</p>	1436
 <p>Dome lid (steel) with 2 threaded tubes (sloping welded), 1 x 2" for filling, 1 x 2" for ventilation and 2 threaded pipe couplings (straight) 2" and 1". Supplied with: Tanker coupling and ventilation cap.</p>	1451

Accessories for waste oil storage tank

Designation	Order no.
 <p>Filling funnel complete, with suction pipe, tanker coupling, ventilation connection and lockable cover, only for DWT tank 1300 and 2000</p>	7331
<p>Padlock for above, galvanised</p>	1490
 <p>Dome lid (steel) complete with suction pipe, with pipe couplings, respectively 1 x 2", 1 1/2" and 1". Supplied with: tanker coupling and a blanking cap for each pipe coupling 2", 1 1/2" and 1"...</p>	5322
<p>...for PROFI tank 1300 and 2000</p>	7332
<p>...for PROFI tank 1500 and 2350</p>	

Accessories, general

Designation	Order no.
 <p>Vacuum leakage detection device VL 320-420, optical and acoustic</p>	7351
<p>Accessories package for single tank leak detector device</p>	7352
<p>Base package VL 320-420, for connecting two tanks to the leak detector device</p>	7356
<p>Expansion package VL 320-420, for connecting an extra tank to the leak detector</p>	7357
 <p>Complete overfill protection, supply voltage 230 V, consisting of: Level indicator (sensor) with R 1" and 3/4" couplings, display unit (warning unit) with signal lamp and buzzer.</p>	7330
 <p>Signal horn for overfill protection also necessary for larger separations between vehicle and tank and for leak detection when mounted in a protective box</p>	5269
 <p>Level indicator for oil, 230 V for continuous tank filling level management*</p>	7796
 <p>Step, galvanized, step heights 20 cm and 40 cm</p>	3345
 <p>Floor support for DWT 1300 and 1500 l</p>	7730
<p>Floor support for DWT 2000 and 2350 l with knobs to enable ventilation of the support surface</p>	7731
 <p>Tank heater type TH 370, 230 V, Ø 44 mm, for electric heating of EL grade heating oil and diesel fuel, power: 0.22 kW, self regulating, prevents separation of paraffin at low temperatures</p>	8126

* Description see page 29 (Order no. 7795)

Technical specifications subject to change.

GRP horizontal cylindrical chemical tank [PG 4]

Double-walled, horizontal GRP tank

- with General Construction Inspection Approval no. Z-40.11-479
- double-walled tank made of GRP, weather resistant and suitable for outdoor installation

- intermediate space monitorable with vacuum-based leak detector
- with galvanized steel frame
- large (nominal diameter DN 500) inspection dome

- dome lid (stainless steel) with connections for necessary accessories
- ladder to the dome lid
- excellent thermal insulation thanks to "sandwich technology"
- cover for dome lid available (optional)



Example usage of a storage tank for aircraft de-icing agent (with special coating and protective box)

DWT tank, horizontal

made of GRP, chemical protection layer made of special resin

Capacity, l (netto, 95%)	Dimensions cm (l x w x h)*	Tank dia. ø cm	Weight approx. kg	Order no.
4000	230 x 191 x 207	160	410	-
5000	285 x 191 x 207	160	450	-
6000	336 x 191 x 207	160	510	-
8000	440 x 191 x 207	160	660	-
8000	296 x 233 x 246	200	650	-
10000	362 x 233 x 246	200	730	-
15000	446 x 256 x 266	220	1100	-
20000	584 x 256 x 266	220	1400	-
25000	724 x 256 x 266	220	1960	-
30000	860 x 256 x 266	220	2515	-

* Height with fitted cover increases by 35 cm

Technical specifications subject to change.

Collecting and transport container for hazardous materials (HazMat) [PG 4]

Mobile hazardous substance collector GS-MOBILE for flammable liquids

Approval no.

D/BAM 6744/31A (400 l and 600 l),

D/BAM 6743/31A (980 l)

indefinite approval period

The collection, storage and transport container for flammable liquids without a sump pallet (e.g. waste oil of unknown origin, solvents, thinners and many more, previously classed as A1, AII, AIII and B).

The integrated forklift pallet enables 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



Ventilation pipe 2" can be removed for transport



Filling funnel dia. 300 mm



400 l

980 l

GS-MOBILE for A I to A III and B as described above

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

AI collection container [PG 9]

A collection and storage container for inflammable liquids (e.g. waste oil of unknown origin, solvents, thinners, etc., previously classed as A1, AII, AIII and B). The integrated forklift pallet enables easy and safe transport.

An integrated funnel with a dirt sieve and a fixed installed suction pipe with tanker coupling simplify filling and emptying.



hot-dip galvanised, double-walled steel container



integrated filling funnel with protective strainer and permanently installed suction tube

AI collection container

Capacity, l	Diameter cm	Height in cm with		Weight approx. kg	Order no.
		open	closed lid		
200	70	169	108	56	6409

Accessory

Description	Order no.
Padlock, galvanised	1490

Technical specifications subject to change.

Mobile box hazardous materials approved [PG 9]

Mobile box

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

The mobile box is particularly suitable for the following applications:

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



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



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



lockable mechanism with metal bracket and locking spring



170 l 250 l



green lid version



blue lid version

Mobile box

Designation	Dimensions per packing unit cm (l x w x h)	Weight approx. kg	Order no. / lid		
			red	green	blue
Mobile box 170l	60 x 40 x 88	12	7718	7719	7720
Mobile box 250l	60 x 60 x 89	15	7805	8318	7806

Designation / Type	Order no.	rabate 3 %	rabate 5 %	rabate 8 %
		quantity	quantity	quantity
Mobile box 170l, red	7718	2	4	8
Mobile box 170l, green	7719	2	4	8
Mobile box 170l, blue	7720	2	4	8
Mobile box 250l, red	7805	2	4	8
Mobile box 250l, green	8318	2	4	8
Mobile box 250l, blue	7806	2	4	8

Technical specifications subject to change.

PE Drum depot [PG 9]

PE Drum depot

- with general construction inspection approval Z-40.22-380
- approved for the storage of water-polluting and aggressive liquids
- safe storage of 200 l drums indoors or outdoors
- collection tray, perforated plate and hood in polyethylene (PE)
- collection tray can be driven under on both sides
- hood with four cut-outs for ground anchoring
- two smooth-running, rugged, yet flexible PE blinds for access from both sides (opened either at the front or rear)
- 2 storage compartments on the inside side walls
- lockable (padlock not included in the scope of delivery)
- high chemical resistance to aggressive media



Type PE 250-4-GH with hood for storing up to four 200 l drums



Type PE 250-4-GH with hood for storing up to four 200 l drums



Type PE 250-2-GH with hood for storing up to two 200 l drums



lockable (padlock not included in the scope of delivery)

PE Drum depot

Designation	Containment capacity l	Capacity	External dimensions cm (l x w x h)	Weight approx. kg	Order no.
PE Drum depot 250-2-GH	224	2 drums at 200l	156.5 x 99.5 x 211	111	8933
PE Drum depot 250-4-GH	242	4 drums at 200l	156.5 x 162 x 211	157	8934

HazMat collection stations [PG 9]

Hazardous substance collection stations with roller floor

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 water-polluting classes.

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

Protected by patent P 38 01 810.1-09. General Technical Approval Z-40.12-228 granted by DIBt-Berlin.



gas pressure springs for easy opening

Hazardous substance collection station with roller floor for outdoor installation

Hazardous substance collection station with grated floor

from glass fibre reinforced plastic (GRP) with roller floor, but with galvanised floor frame with grating.

With General Technical Approval no. Z-40.12-228 granted by DIBt-Berlin.



Hazardous substance collection station with grated floor for outdoor installation. Barrel stand as accessory (see page 127)



Hazardous substance collection station with roller floor for indoor installation without any hood. Barrel stand as accessory (see page 127)



Hazardous substance collection station with roller floor for indoor installation without any hood.

Hazardous substance stations from sheet steel

are approved for storage of all water-polluting as well as flammable substances (previously classed as A1, A11, A111 and B). The robust, lockable construction and the variable internal equipment provides a universal solution.

With design approval. 100 mm ground clearance for safe transport.



Hazardous substance station for outdoor installation

Technical specifications subject to change.

HazMat collection stations [PG 9]

GRP hazardous substance collection station

Designation	Surface area cm (l x w)	Height cm	Weight approx. kg	Order no.
Collection station with roller floor for <u>outdoor</u> installation (with hood), with 200 l containment space	150 x 85	211	90	3339
Collection station with roller floor for <u>indoor</u> installation (without hood), with 200 l containment space	150 x 85	138	65	3340
Collection station with grated floor for <u>outdoor</u> installation (with hood), with 200 l containment space	150 x 85	211	85	3412
Collection station with grated floor for <u>indoor</u> installation (without hood), with 200 l containment space	150 x 85	138	60	5229

Accessories for hazardous substance collection station with roller floor

Designation	Surface area cm (l x w)	Height cm	Weight approx. kg	Order no.
Moveable pallet, galvanised, with roller floor, for transport of full drums for collection station, with 200 l containment space	46 x 65	32	22	3343

Accessories for hazardous substance collection station with roller floor and grated floor

Designation	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
Retrofitting parts for hazardous substance collection stations:		
Hood, lockable, complete with fittings, suitable for order no. 3340 and 5229		3341
Exchangeable lock with individual lock		6655
Exchangeable lock with simultaneously locking lock		5643

Sheet steel hazardous substance station

Designation / Type	External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Loading kg	Weight approx. kg	Order 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

Safety compact container [PG 9]

For storing water-polluting and flammable fluids

- with General Construction Inspection Approval no. Z-38.5-229
- all round natural ventilation with micro-perforation; pests and small animals cannot enter.
- walls and roof elements from galvanized steel plate
- design: galvanized or galvanized and painted (RAL 5002 ultramarine blue (other RAL colours on request))
- lockable, 1-leaf door (width 1240 mm)
- roof traversible, snow load 125 kg/m²
- bearing surface with removable galvanized gratings, load: 1000 kg/m²
- tray material: steel plate S235JR according to DIN EN 10025, galvanized
- tray material thickness: 3 mm
- ground clearance 100 mm



SKC 2/240 H galvanized



SKC 4/240 galvanized and painted



SKC 2/1000 H galvanized and painted



SKC 4/1000 galvanized and painted

Safety compact container, collection volume 240 litre

Designation	External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Capacity	galvanized model Order no.	galvanized and painted Order no.
SKC 2/240	152.5 x 125 x 168	143.8 x 105.2 x 131	2 drums at 200 l	8777	8785
SKC 2/240 H	152.5 x 125 x 238	143.8 x 105.2 x 196.3	2 drums at 200 l	8778	8786
SKC 4/240	152.5 x 155 x 168	143.8 x 135.2 x 131	4 drums at 200 l	8779	8787
SKC 4/240 H	152.5 x 155 x 238	143.8 x 135.2 x 196.3	4 drums at 200 l	8780	8788

Safety compact container, collection volume 1000 litre

Designation	External dimensions cm (l x w x h)	Internal dimensions cm (l x w x h)	Capacity	galvanized model Order no.	galvanized and painted Order no.
SKC 2/1000	152.5 x 125 x 230	143.8 x 105.2 x 131	2 drums at 200 l	8781	8789
SKC 2/1000 H	152.5 x 125 x 300	143.8 x 105.2 x 196.3	2 drums at 200 l	8782	8790
SKC 4/1000	152.5 x 155 x 230	143.8 x 135.2 x 131	4 drums at 200 l or 1 IBC at 1.000 l	8783	8791
SKC 4/1000 H	152.5 x 155 x 300	143.8 x 135.2 x 196.3	4 drums at 200 l or 1 IBC at 1.000 l	8784	8792

Technical specifications subject to change.

Collection containers



Collection containers for indoor storage [PG 9]

Battery disposal box

optimal storage and transport system

- high density PE plastic (HDPE)
- mostly acid-proof
- 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



box 610 I

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 (l 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 plain base surface
- to prevent unauthorised access, the lid can be locked
- labeled with danger warnings



**Outdoor
Indoor**



Kfz-Alt batteriebehälter

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

Technical specifications subject to change.

Funnels / collection trays [PG 9]

GRP funnel

- with and without lid
- for placing on tanks
- safe seating
- no risk of spillage

PE collection trays

- with swash edge to prevent content spillage
- pouring spout for transfilling
- robust carrying handles
- acid, chemical, oil and petrol resistant
- sizes 11,4l and 58l sealable, provided with holder(s) for oil filters
- sizes 58l also mobile (wheels on one side)
- Sizes 20 l and 55 l with a 4-chamber system for safe transportation and for emptying using the 4 edges with spouts



PE collection tray 20l with GRP funnel without lid



GRP funnel for drum use 60l and 200l

GRP funnel with hinged lid



PE collection tray 15l



PE collection tray 11,4l, sealable



PE collection tray 20l and 55l



PE collection tray 58l, sealable

GRP funnel and PE collection trays

Designation	Volume l	External dimension cm (l x w x h)	Weight approx. kg	Order no.
① GRP funnel without lid for 200 l drum	-	Height 15, ø 56	3	3342
② GRP funnel with hinged lid for 200 l drum	-	Height 18, ø 56	5	5348
③ GRP funnel without hinged lid for 60 l drum	-	Height 16, ø 39	2.5	5493
④ PE collection tray 15l	15	55 x 45 x 12	1.0	10122
⑤ PE collection tray 20l	20	69 x 44 x 10.5	1.3	6892
PE collection tray 55l	55	101 x 73 x 12.5	2.8	6891
⑥ PE collection tray sealable 11.4l	11.4	44 x 32 x 15	1.5	10123
⑦ PE collection tray sealable 58l	58	92 x 60 x 25	7.6	7908

Graduated price			rabate 3 %	rabate 5 %	rabate 8 %
Designation / Type	Order no.		quantity	quantity	quantity
PE collection tray 15l	10122		4	8	12
PE collection tray sealable 11,4l	10123		4	8	12

Technical specifications subject to change.

Cemsorb binders "Universal" and "Oil" [PG 9]

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

Cemsorb binder "Universal" grey

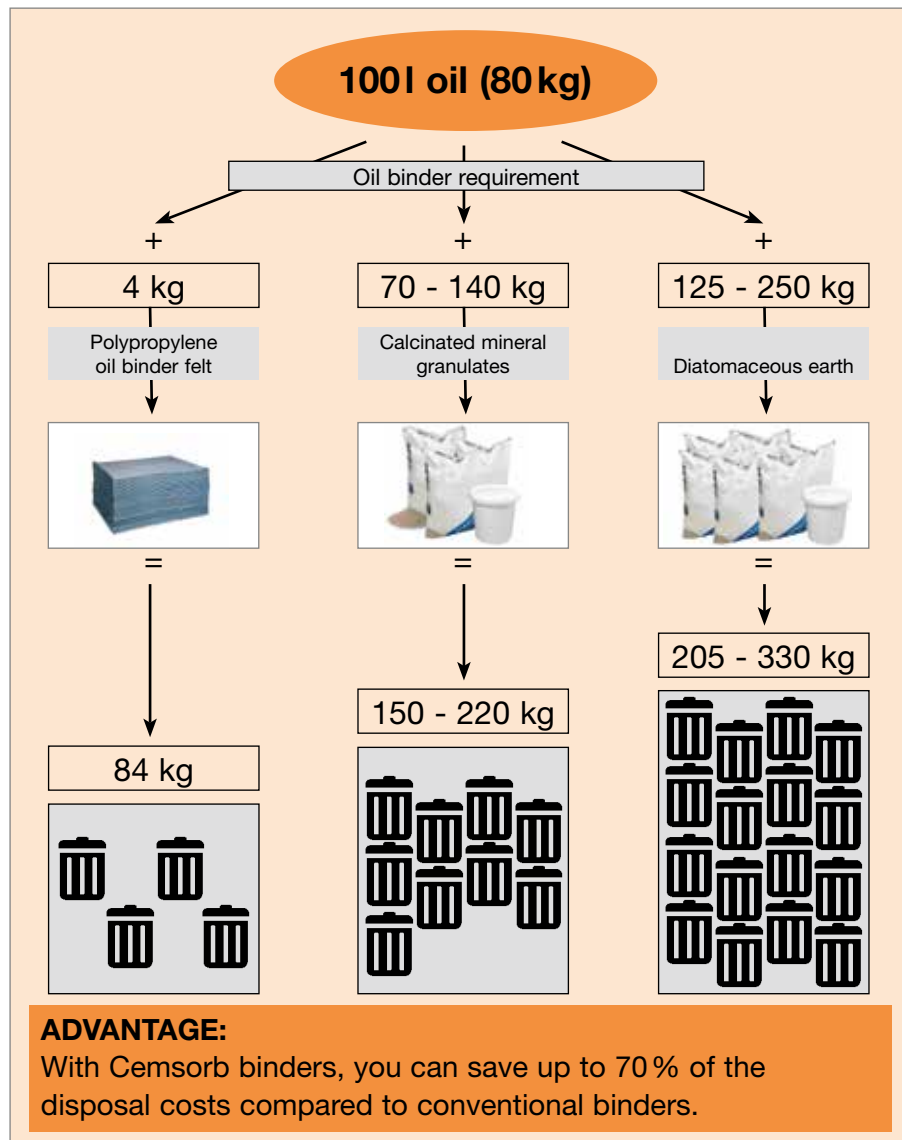
The Cemsorb binder "Universal" was developed to absorb all types of fluids. We do not recommend using it on water surfaces. Please use the Cemsorb binder "Universal" to absorb small quantities of different technical fluids.

Cemsorb binder "Oil" blue

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

Advantages:

- Cemsorb binders 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 binders "Universal" and "Oil" [PG 9]



Cemsorb cloths "Universal"



Cemsorb cloth roll "Oil"


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


Cemsorb carpet "Oil"



Cemsorb carpet "Universal"

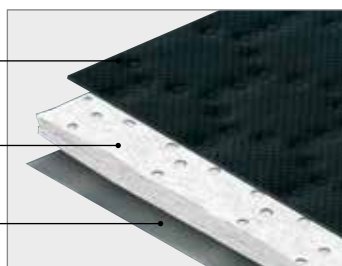


Cemsorb snake "Universal"


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

strengthened surface

 binding agent with high
absorption capacity

 liquid-proof film
protects the ground

 Cemsorb
carpet

Cemsorb binders

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

Cemsorb Emergency sets [PG 9]



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



Cemsorb emergency trolley



Cemsorb emergency set Agrar



Cemsorb emergency set



Cemsorb emergency box "Universal"

Cemsorb Emergency sets

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

Technical specifications subject to change.

PE Boot cleaner [PG 8]

- made from high-quality hard-wearing polyethylene
- equipped with three fixed and one moveable brush
- 1/2" water connection
- stainless steel lines
- integrated tray for dirty water collection and runoff
- integrated handles



Tray for dirty water collection and runoff



1/2" dirty water outlet



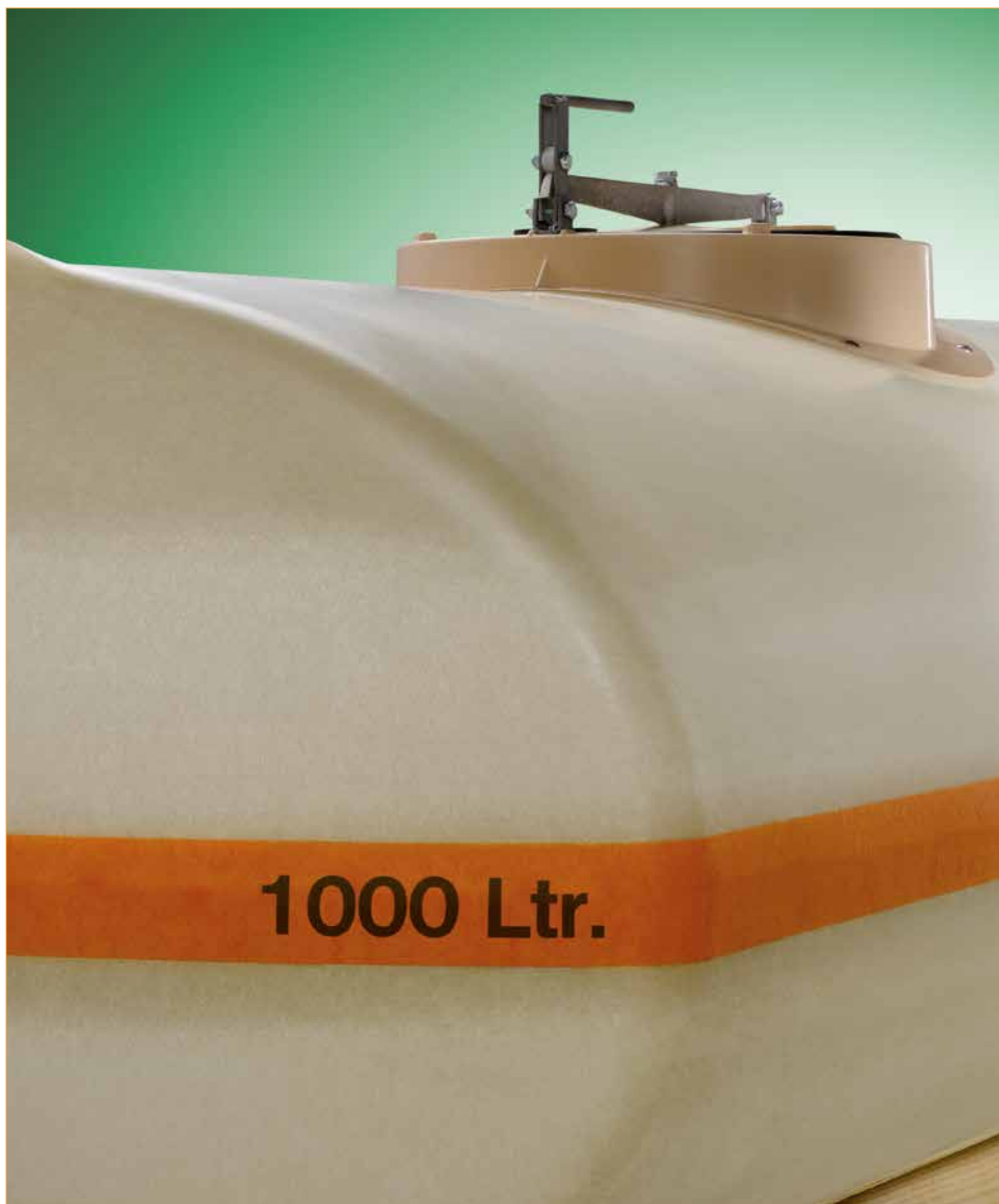
Stainless-steel lines

PE Boot cleaner

Description	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
PE Boot cleaner	52 x 47 x 90	15	10101

Technical specifications subject to change.

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 **loader/sender** (e.g. loadmaster of the sender), the **haulier** and the **vehicle operator** as well as the **vehicle owner** 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 loader/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.

Load securing – Importance for CEMO products

Load securing – Importance for CEMO products

The fundamental health and safety requirements for CEMO products put into circulation or transport are complied with.

Attention is paid during design and subsequent production to ensuring that the products are equipped with suitable devices for load securing (e.g. transport packaging, lashing points, sufficiently dimensioned contact areas etc.). In this way, risks caused by falling or ejected objects, risks from surfaces, sharp corners and edges as well as risks from loss of stability (e.g. from small contact areas) are avoided.

In this way, as long as the statutory conditions for securing loads are complied with, an uncontrolled change of position during transport and other general safety risks with regard to the conveyance are precluded.

1. Load securing for CEMO drums

1.1. Anti-slip mat (frictional connection)

Anti-slip mats are virtually standard these days as a means of securing loads. The frictional forces prevent the load from slipping and support all load securing measures. The coefficient of sliding friction μ is always less than 1. Example: The coefficient of sliding friction between metal and wet wood is generally about 0.2-0.25 μ . When using an anti-slip mat, the coefficient of friction increases to 0.6 μ . This corresponds to a load securing of 60% through friction alone! The consequence of this is that it may be possible to reduce the number of lashing straps.

We recommend placing anti-slip mats under the support runners on each side when loading CEMO drums, in order to increase the friction coefficient. If several mats are used, they are to be arranged so that no parts of the support runners remain in contact with the vehicle load surface.

1.2. Lashing straps (positive fit through lashing down)

Lashing straps, ropes and chains must be used in accordance with the manufacturer's instructions and discarded as necessary. In the case of lashing straps, the permissible tensile force of the strap material must not be confused with the pretension force of the ratchet when lashing down. The necessary indications on tensile force, manual force and clamping force can be found on the label of the lashing equipment.

For the purpose of supplementing the fixing methods in 1.1 and 1.3, the CEMO drum is to be additionally tied down with 2 lashing straps and fixed to the lashing points of the vehicle's load surface on both sides. In principle, the number of lashing straps is based on the weight of the load and the measures used according to 1.1 and 1.3.

1.3. Holder for tension chain (positive fit through direct lashing)

CEMO support rails are equipped as standard, or can be retrofitted, with holders for tension chains with a max. tensile force of 2000 daN. When using tension chains, the number of lashing straps can be reduced (see 1.2).

1.4. Locating surfaces (positive fit)

If possible, locating surfaces are also to be used for securing loads. The forward load space limit (front wall) can be used in addition to installed blocking devices, taking into consideration their strength and the vehicle-specific load distribution plan.

1.5 VDI (Association of German Engineers) guidelines

The following guidelines for securing loads are to be observed:

- VDI 2700 Securing loads on road vehicles
- VDI 2700a Evidence of qualification to secure loads
- VDI 2700 Sheet 1 Training and raining contents
- VDI 2700 Sheet 2 Lashing forces
- VDI 2700 Sheet 3.1 Instructions for using lashing equipment
- VDI 2700 Sheet 3.2 Equipment and aids for securing loads
- VDI 2700 Sheet 4 Load distribution plan

Guideline VDI 2700 Securing loads on road vehicles is the standard work that presents the principles and proven methods for securing loads.



Securing loads with anti-slip mats and lashing straps (lashing down) using the example of a 2000-litre mobile irrigation system

GRP Tanks

CEMO tanks are manufactured from GRP (glass fibre reinforced plastic) using state-of-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 leak-free laminate seam, into a single tank unit. CEMO tanks thus guarantee an optimum quality standard, for safe use over many years.

Food-safe model:

Drum and/or square containers steamed and cleaned (on request)

large filling dome for efficient filling and transportation

resistant to chemicals, e.g. ammonia-nitrate-urea solution, pesticides

smooth inner walls, therefore easy to clean

durable weather and corrosion resistant

translucent tank walls for easy level monitoring

up to 70 % lighter than steel tanks

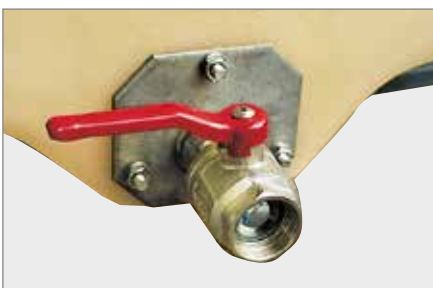
GRP is easy to repair



Individual attachment and integration components with a wide range of fittings



To ensure safer transport, CEMO tanks can also be equipped with baffles.



The standard 3-hole flange enables problem-free mounting of a wide variety of fittings

CEMO standard tanks are available in oval, trunk and box shapes for a very wide range of use. From 200l - 15500l.



CEMO pasture water tanks have special light protection to prevent algae growth. They have an opaque colour and are thus particularly UV-resistant.



Intended specially for use on Unimog vehicles there are oval or trunk-shaped tanks of 1000 - 5000l, high-speed versions with baffles also available.



For municipal use, CEMO offers mobile irrigation systems of 1000 - 6000 l with a variety of attachment parts



Example of use: Sewage disposal from trains belonging to the Deutsche Bahn (German Railways)



GRP Tanks, oval [PG 8]

Oval tanks made from glass fibre reinforced plastic, GRP

- for zero-pressure operation
- filling dome dia. 360 mm, with quick closing lid
- filling dome dia. 420 mm with flap lid
- ventilation valves fitted in the lid
- outlet opening with 3-hole flange connection
- fixed support runners attached (high pressure impregnated wood, above 7000 l - steel)

Food-safe model:

Drum and/or square containers steamed and cleaned (on request)



Tank with wooden runners

Pasture water tank with 2 drinking bowls

Oval tanks

Capacity l	Dimensions cm (l x w x h) length incl. runners	Dome dia. mm	Weight approx. kg	Order no. / Dome		
				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	-
1500	201 x 122 x 104	360	82	-	1009	-
2000 short	190 x 143 x 138	420	100	-	1824	-
2000 short with recess	190 x 143 x 138	420	99	-	1065*	-
2000 long	266 x 122 x 104	360	105	1010	-	1012*
3000 short with recess	231 x 154 x 152	420	170	-	1033*	-
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 178-181

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

Capacity l	Dimensions cm (l x w x h) length incl. runners	Dome dia. mm	Weight approx. kg	Order no. / Dome		
				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

Designation	Order no.
 Drinking bowl single	1056
 Mounting flange for 2 drinking bowls	5790

* Custom version, manufactured to order.

Technical specifications subject to change.

Trunk-shaped tanks [PG 8]



Trunk-shaped tanks

- made from glass fibre reinforced plastic, GRP
- outlet opening with 3-hole flange connection
- steel support runners

Advantages of GRP tanks, trunk-shaped:

- optimal utilization of the loading area
- more transport volume for permissible total weight compared to steel tanks

Food-safe model:
Drum and/or square containers steamed and cleaned (on request)



Tank 13500 l



Presentation without transport securing



Trunk-shaped tanks

Capacity l	Dimensions cm (l x w x h) length incl. runners	Filling hole / Dome	Weight approx. kg	Order no.
300	102 x 62 x 72	Filling hole dia. 190 mm with screw cap	24	2854
400	133 x 62 x 72		28	2855
500 long	162 x 62 x 72		35	2856
500 short	105 x 95 x 71		41	5944
600	131 x 63 x 102		45	5910
700 with pump sump	146 x 101 x 80	Dome dia. 380 mm with screw cap	54	2857
1000 with pump sump	147 x 101 x 99		58	2858
1800 with baffles	154 x 148 x 128	Dome dia. 420 mm with flap lid	115	7696
2000 with baffles	194 x 102 x 153		135	5115
5000 with intersecting baffles	231 x 198 x 169		320	6538*
13500 Storage tank without baffles	506 x 220 x 195		870	8008
13500 Transport tank with baffles	506 x 220 x 195		950	8009
15500 Storage and transport tank with baffles*	506 x 220 x 222		1,080	8270

Accessories for trunk-shaped tanks (with 3-hole flange) see page 182-185

* Custom version, manufactured to order

Technical specifications subject to change.

Oval and trunk-shaped tanks [PG 8]

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

Designation	Thread	Order no.				
		GRP Tanks			PE Tanks	
		up to 1500l	1600l up to 10000l	13500l + 15500l	600l up to 1000l *	2000l *
 Liquid manure spreader, for tanks without a recess dia. 80 mm dia. 100 mm	-	1300	-	-	-	-
	-	-	1301	-	-	-
 Lock plate (blank flange) for 3-hole flange, stainless steel	-	1367	1368	1368	1367	1368
 Stainless steel flange plate with threaded nipple for 3-hole flange	¾" ET	5954	5955	5955	5954	5955
	1" ET	1384	1385	1385	1384	1385
	1 ¼" ET	1386	1387	1387	1386	1387
	1 ½" ET	1388	1542	1542	1388	1542
	2" ET	1389	1390	1390	1389	1390
	3" ET	5614	1391	1391	-	-
 Stainless steel flange plate special for 13500 l and 15500 l	2" ET	-	-	8177	-	-
	3" ET	-	-	8178	-	-
 Discharge valve, nickel-plated brass with stainless steel flange	¾" IT	1316	1317	-	1316	1317
	1" IT	1318	1319	-	1318	1319
	1 ¼" IT	1320	1321	-	1320	1321
	1 ½" IT	1322	1323	-	1322	1323
	2" IT	1324	1358	-	1324	1358
	3" IT	1325	1326	-	-	-
 Discharge valve, nickel-plated brass with s/s flange spec. for 13500 + 15500 l	2" IT	-	-	8179	-	-
	3" IT	-	-	8180	-	-
 PVC ball valve with stainless steel flange	1" IT	6447	6453	-	6447	6453
	1 ½" IT	6449	6455	-	6449	6455
	2" IT	6450	6456	-	6450	6456
	3" IT	6451	6457	-	-	-
 PP ball valve glass fibre reinforced, with stainless steel flange, (shatter-proof version, recommended for liquid manure tanks)	1" IT	6442	6444	-	6442	6444
	1 ½" IT	1346	1347	-	1346	1347
 PVC ball valve with stainless steel flange specially for 13500 l and 15500 l	2" IT	-	-	8181	-	-
	3" IT	-	6457	8182	-	-
 PP ball valve with stainless steel flange specially for 13500 l and 15500 l	2" IT	-	-	8183	-	-
 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 2000l PE tank (additionally required)	-	-	-	-	8445	8445

ET = external thread IT = inside thread

Technical specifications subject to change.



GRP Tanks, Oval and trunk-shaped [PG 8]


Accessories for GRP Tanks, oval and trunk-shaped


Designation		Thread	Order no.	
	Double nipple (PVC) with external thread	1"	1527	
		1 1/2"	1529	
		2"	1530	
	Threaded nipple (PVC) with hose nozzle for hose	dia. 60 mm	2"	1355
	Kamlok coupling for valves male connection	1 1/2"	1356	
		2"	1359	
	Kamlok coupling female connection with hose nozzle for hose	inside diameter 40 mm for male connection:	1 1/2"	1357
		inside diameter 60 mm for male connection:	2"	1360
	Kamlok sealing cap	for Kamlok coupling, for male connection:	1 1/2"	5266
		for Kamlok coupling, for male connection:	2"	1361
	Fire hose coupling C, for valves 2" ET		2"	1340
	Plastic hose with helical reinforcement per m	40 mm I.D.		1363
		60 mm I.D.		1364
	Hose shut-off valve (plastic) for corrugated hose	60 mm I.D.	2"	1681
	Ventilation cap PVC (sealing cap for screw in / screw through nipples)			1811
	T-piece (PVC) with internal thread			1547
	90° angle, galvanised, IT and ET		2"	1338
	90° angle, PVC, IT		2"	1540
	Pipe coupling (PVC) loose, with internal thread		2"	1535
	Pipe coupling (PVC) laminated attachment, with internal thread	3/4"		1752
		1"		1753
		1 1/4"		1754
		1 1/2"		1755
		2"		1756

Oval and trunk-shaped tanks [PG 8]


Accessories for oval and trunk-shaped tanks

Designation	Order no.
 <p>C-filling coupling with free flowing path, complete with slider, including installation onto tank (factory made)</p>	5689
 <p>Filling sieve for dome dia. 420 mm</p>	3080
<p>Filling sieve for dome dia. 360 mm</p>	8241

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



Designation	Order no.	
 <p>1 kg repair pack pre-accelerated resin, hardener, glass fibre, brush</p> <p>0.5 kg repair pack pre-accelerated resin, hardener, glass fibre, brush</p> <p>Polyester adhesive pack (1kg adhesive resin, hardener)</p>	neutral	1617
	grey	5978
	neutral	5144
		1619

Steel support runners, galvanised for oval tanks, complete

Model for tank size	Dimensions mm		Weight approx. kg	Order no.	
	Section	Length			
	1000 short	U 100 x 50 x 5	1460	28	surcharge
	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	
	2000 long	U 100 x 50 x 5	2660	50	
	3000 short	U 100 x 50 x 5 (for order no. 1033, 1078)	2310	46	
	3000 long	U 100 x 50 x 5 (for order no. 1059, 1060, 2250; 2219)	2755	53	
	4000 + 5000	U 100 x 50 x 5	3660	64	
	6000	folded profile 3285 mm	3485	81	

GRP Tanks, oval und kofferrförmig [PG 8]

Custom equipment for tanks is made to order

Designation	Order no.
 <p>Dome dia. 420 mm with flap lid (installation factory-made) with 2 ventilation valves</p>	surcharge
<p>opposing dome dia. 360 mm</p>	
<p>Dome dia. 420 mm with screwed on flat lid (fitted ex. works)</p>	
<p>surcharge in exchange for dome dia. 360 mm</p>	
 <p>Baffles for fast vehicles in two tank halves</p>	<p>surcharge in exchange for dome dia. 420 mm with flap lid</p>
	<p>for sizes up to 5000 l (2 off)</p>
	<p>for sizes 6000 - 7000 l (2 off)</p>
	<p>for sizes 8500 - 10000 l (4 off)</p>

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
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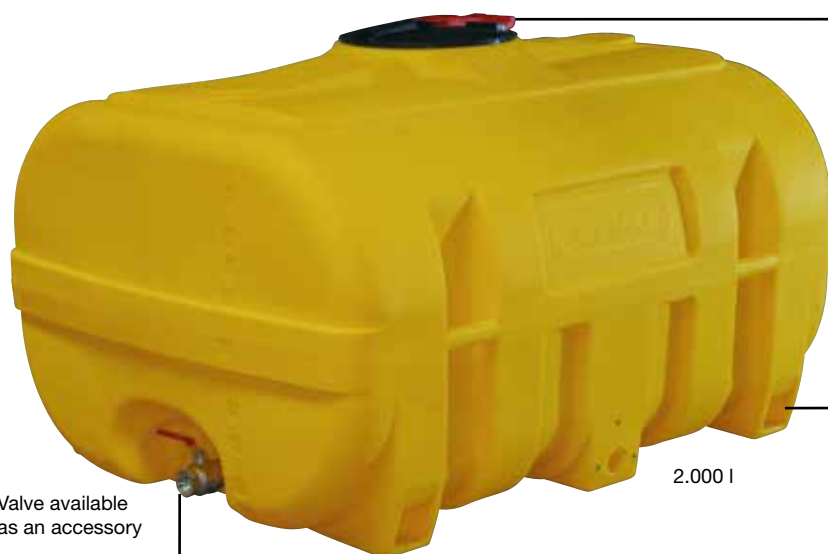
Fitting sloshing baffles in a GRP tank.

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
- 2000 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 of the 2000 l tank
- option of installing the proven CEMO 3-hole flange onto the 2000 l tank
- 1¼" internal thread fitting for complete drainage
- 380 mm diameter dome with swash baffle and hinged cover
- ventilation 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

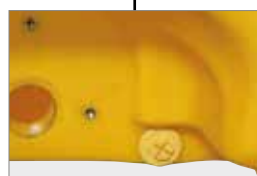


Mounting flange



Stainless steel flange plate with threaded nipple (accessory see page 182)

Valve available as an accessory



1¼" 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 Thermo tank, trunk-shaped (sectional picture of foam sandwich wall)

PE tanks, trunk-shaped, coloured yellow

Designation / Capacity l	Dimensions cm (l x w x h)	Filling hole / Dome dia. mm	Weight approx. kg	Order no.
PE tank, yellow, 600l	120 x 90 x 90	dia. 380 with flap lid	35	8273
PE tank, yellow, 1000l	145 x 114 x 100		54	8274
PE tank, yellow, 2000l	190 x 135 x 117		82	8275

PE pasture watering tank, trunk-shaped

Impermeable to light and coloured green to prevent algae growth

Designation / Capacity l	Dimensions cm (l x w x h)	Filling hole / Dome dia. mm	Weight approx. kg	Order no.
PE tank, green, 600l	120 x 90 x 90	dia. 380 with flap lid	35	8884
PE tank, green, 1000l	145 x 114 x 100		54	8885
PE tank, green, 2000l	190 x 135 x 117		82	8381

PE Thermo tank, trunk-shaped, with foam sandwich wall

Designation / Capacity l	Dim. cm (l x w x h)	Filling hole / Dome dia. mm	Weight approx. kg	Order no.
PE Thermo tank, green, 600l	120 x 90 x 90	dia. 380 with flap lid	40	10288
PE Thermo tank, green, 1000l	145 x 114 x 100		60	10289
PE Thermo tank, green, 2000l	190 x 135 x 117		90	10290

Technical specifications subject to change.

PE tanks, trunk-shaped [PG 8]




Accessories for PE tanks, trunk-shaped

Designation	Thread	Order no.
 PP adapter set (PP reducing nipple + PP reduction)	2" ET on ¾" ET	8406
 PP reducing nipple	2" x 1" ET	8407
	2" x 1½" ET	8408
 PP double male connector	2" ET	8409
 PP plug	2" ET	8410
 Plastic sieve dia. 380 x h 330 mm		8628
 Drainage valve (brass, nickel plating) with inside thread on both sides	¾"	1303
	1"	1304
	1½"	1306
	2"	1307
 Plastic ball valve (PVC) with inside thread	1"	6426
	1½"	6428
	2"	6429
 Plastic ball valve (polypropylene, fibreglass-reinforced) with inside thread	1"	1310
	1½"	1312
	2"	1313
 Baffles, fully installed, for fast-moving vehicles for PE tank 600l, trunk-shaped		10163
		10164
		10165

Additional accessories see page 182.

ET = external thread IT = inside thread

Accessories for PE pasture watering tank

Designation	Order no.
 Single attached drinking trough *	1056
 Attachment flange for 2 drinking troughs *	5790
 Example: In conjunction with the optional lateral outlet openings on the 2000 l PE tank, a maximum of 6 attached drinking troughs is possible with order no. 1056 and 5790. Subframe with the minimum dimensions 149 x 120 x 16 cm (l x w x h) required (not included in the scope of supply).	

* Accessory installation kit 8445 required (see page 182).

Technical specifications subject to change.

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



Food-safe model:

Drum and/or square containers steamed and cleaned (on request)

Box-shaped tank, GRP

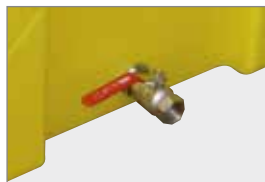
Designation / Capacity l	Dimensions cm (l x w x h)	Filling hole / Dome dia. in mm	Weight approx. kg	Order no.
Box-shaped tank, GRP, 200l	87 x 57 x 57	Filling hole dia. 190 mm with screw cap	12	1043
Box-shaped tank, GRP, 400l	122 x 62 x 72		19	1045
Box-shaped tank, GRP, 600l	118 x 70 x 106		30	7958

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

- 125 l, 200 l, 450 l or 600 l
- manufactured in one piece using centrifugal moulding
- with S160x7 screw cap
- screw cap with integrated ventilation 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



Various sizes from 125 l to 450 l (600 l not illustrated)



With outlet tap accessory



Stackable, with stacking cams, integral forklift slots and handles

Box-shaped tank, PE, coloured yellow

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

Box-shaped tanks [PG 8]



Accessories for box-shaped tanks, GRP and PE

Designation		Thread	without installation Order no.	with installation on the tank Order no.
	Screw through threaded connector (brass) with external thread, 2 lock nuts	¾"	1393	8843
		1"	1394	8844
		1 ¼"	1395	8845
		1 ½"	1396	8846
	Screw in threaded connector* (brass, nickel-plated) with external thread, food safe	¾"	1397	8847
		1"	1398	8848
		1 ¼"	1399	8849
		1 ½"	1500	8850
	Screw in threaded connector* (plastic) with external and internal threads	2"	1501	8851
		ET 1" IT ½"	1515	8852
		ET 1 ¼" IT ¾"	1516	8853
		ET 1 ¼" IT 1"	1517	8854
		ET 2" IT 1 ½"	1518	8855
	Ball valve discharge 90° angled, nickel-plated brass	ET 2 ¾" IT 2"	1519	8856
		½"	3775	
		¾"	3776	
			Discharge valve (brass, nickel-plated) with internal thread at both ends	¾"
1"	1304			
1 ¼"	1305			
1 ½"	1306			
2"	1307			
	Plastic ball valve (PVC) internally threaded	1"	6426	
		1 ½"	6428	
		2"	6429	
		3"	6430	
	Plastic ball valve (polypropylene, glass fibre reinforced) internally threaded	1"	1310	
		1 ½"	1312	
		2"	1313	
	Spindle valves (plastic) with ET matched to screw in threaded connector	½"	1314	
		¾"	1315	

* Not for PE trunk-shaped tank 1251

ET = external thread IT = inside thread

Accessories for box-shaped tanks, GRP

Designation		Order no.		
	Screw cap dia. 190 mm compl. with screws (upgrade kit)	6492		
Designation		Steel base frame for size	Weight approx. kg	Order no.
	Steel base frame, galvanised, for more secure support	200	10	7784
		400	12	7785
		600	12	7787

Tanks for Unimog, Multicar and Pfau [PG 8]

Tanks for Unimog, Multicar and Pfau from glass fibre reinforced plastic (GRP)

Food-safe model:
Drum and/or square containers steamed and cleaned (on request)

Oval tanks:

- basic model: filling dome dia. 360 mm with quick closing lid or filling dome dia. 420 mm with flap lid
- ventilation valves fitted in the lid
- outlet opening with 3-hole flange connection
- high-speed model: additional baffles in the top and bottom tank halves

Trunk-shaped tanks:


- filling dome dia. 420 mm and flap lid
- compact shape with vaulted ends (top and bottom)
- baffles in top and bottom tank halves
- ventilation valves fitted onto the lid
- Outlet opening with 3-hole flange connection
- intersecting baffles



Presentation without transport securing


Oval tanks

with support runners of high-pressure impregnated wood

Designation / Capacity l	Dimensions cm (l x w x h) length incl. runners*	Dome dia. mm	Required platform length cm ****	Order no.
	1000 basic model	146 x 122 x 104	360	1004
	1000 high-speed	146 x 122 x 117	420	1073
	1600*** high-speed	166 x 150 x 138	420	1076
	2000 short basic model	190 x 143 x 138	420	1824
	2000 short with recess	190 x 143 x 138	420	1065
	2000 short high-speed with recess	190 x 143 x 138	420	1077
	3000 with recess	231 x 154 x 152	420	1033
	3000 high-speed with recess	231 x 154 x 152	420	1078
				232

Trunk-shaped tanks



with support runners of galvanised steel

Designation / Capacity l	Dimensions cm (l x w x h) length incl. runners*	Dome dia. mm	Required platform length cm ****	Order no.
	1800 Flap lid centrally mounted with baffles in upper and lower tank halves	154 x 148 x 128	420	7696
	5000*** Flap lid displaced to the side, with intersecting baffles	231 x 198 x 169		6538

* Length including runners, width without floorboards diagonally *** made to order

**** Long tank fitted complete with outlet combination, order no. 1578 or 1579

Accessories tanks for Unimog, Multicar and Pfau

Designation	Order no.
 C-filling coupling with free flowing path, complete with slider, including installation onto tank (factory-made)	5689
 Discharge combination with painted flange plate brass 3/4" valve and brass 2" valve with C-coupling Length of extension approx. 22 cm (tap closed)	tanks up to 1500 l 1578
	tanks from 1600 l 1579

Technical specifications subject to change.

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 extended steel runners
- mounting console for pump installation
- 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
- ventilation 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.

Example:
Foldable
hose reel



Presentation without
transport securing





Tanks, oval with extended steel runners

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

Special sizes upon request

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 194.

Designation	suitable for equipment tanks	Order no.
 <p>Motorized pump 500 l/min with petrol engine Integrated pump, with suction and pressure connections switchable using 3-way valves</p>		
 <p>Pump 100 to 350 l/min with hydraulic motor including current control valve, permanently installed, with suction pressure connection, adjustable via 3-way valves</p>	all sizes	surcharge
 <p>Rigid hose reel (without hose) securely mounted above the pump; for 100 m water-hose ¾" or 50 m water hose 1".</p>		
 <p>Foldable hose reel for high vehicles (without hose) securely mounted; for 100 m water-hose ¾" or 50 m water hose 1".</p>		

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

Mobile irrigation system BWS 130 [PG 8]

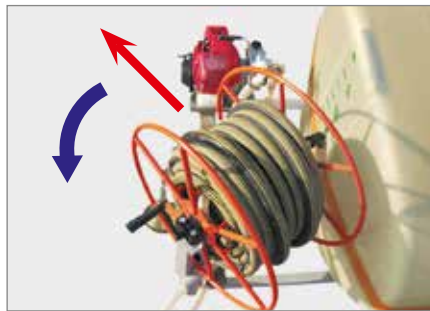
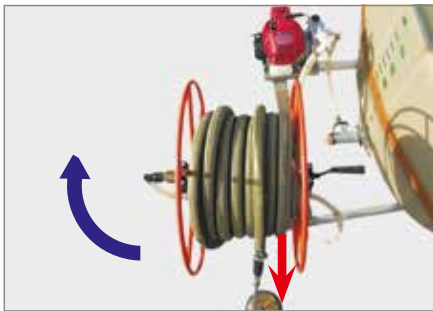
Mobile irrigation system BWS 130

- light and robust construction
- simple handling due to low weight
- suitable for all oval tanks of 600 - 5000 l capacity (see page 180)
- hose reel can be swivelled through some 135° (without hose) for 100 m water hose ¾" or 50 m water hose-1"
- pre-assembled unit
- Example application:
Suitable for irrigating green spaces and parks. This system offers an optimum price-performance ratio for gardening and landscaping service providers as well as for many other service providers (e.g. building cleaning).

Accessories see page 194.



Presentation without transport securing



Hose reel swivelling options:

The hose reel can be swivelled through 135° and can be fixed in 10 positions.

Unwinding direction of hose (red arrow)

Swivelling direction of the hose reel (blue arrow)

Mobile irrigation system BWS 130


complete with tank, add-on pump and hose reel

Capacity l	Overall dimensions cm (l x w x h)	Total weight approx. kg	Order no. without baffles*
600	207 x 92 x 96	115	7914
750	235 x 92 x 96	120	7915
1000 long	285 x 92 x 96	131	7916
1000 short	216 x 122 x 104	132	7917
1500 short	271 x 122 x 104	157	7918
2000 short	260 x 143 x 138	175	7919
2000 short with recess	260 x 143 x 138	174	7920
2000 long	336 x 122 x 104	180	7921
3000 short with recess	301 x 154 x 152	255	7922
3000	346 x 143 x 138	205	7923
4000	436 x 143 x 138	248	7924
5000	436 x 154 x 152	296	7925

* baffles see page 185

Add-on pump with hose reel

(for retrofitting existing tanks)

Designation	Dimensions cm (l ¹ x w x h)	Total weight approx. kg	Order no.
 <p>Add-on pump consisting of:</p> <ul style="list-style-type: none"> • Honda motorized pump (petrol engine), self-priming, flow rate approx. 130 l/min, pump capacity up to 3.5 bar * • hose reel (without hose) • mounting console pre-assembled 	70 x b ² x 96	75	7740

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

¹ = increase in tank length ² = maximum tank width

Accessories see page 194.

Technical specifications subject to change.

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 thanks to 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 *
- hose reel for 25 m hose with a diameter of 19 mm (without hose)
- pressure control valve to protect the motorised pump

- fastening belt
- 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 187.



Tank with accessories
Spraying lance and hose.
(Accessories see page 194)



Setup and securing of the fastening belt.



Forklift slots at the front side (also back side)



Forklift slots at the side

Mobile irrigation system BWS 130-PE

Capacity l	Dimensions cm (l x w x h)	Filling hole / Dome dia. in mm	Weight approx. kg	Order no.
600	184 x 90 x 96	dia. 380 with flap lid	135	8684
1,000	208 x 114 x 104		160	8685
2,000	263 x 135 x 124		212	8686

For the description of the trunk-shaped PE tank, see page 186.

Accessories see page 194.

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



Technical specifications subject to change.

Mobile irrigation systems [PG 8]

Accessories for mobile irrigation system BWS 500

Designation		suitable for equipment tanks	Order no.
Factory fitted	Forklift pockets with supports at the front and rear. Insertion profile 160 x 70 mm, Distance between rail centres 700 mm (empty tank)	1000 l	6814
		1500 l up to 5000 l	7146
		6000 l	7147
	C-filling coupling with free flowing path, complete with slider for tank filling (fig. page 190)		5689
supplied unassembled	PVC pressure hose, dia. 60 mm, length 3,5 m; C-coupling at both ends, can also be used to extend the suction hose		5774
	PVC suction hose, dia. 60 mm, length 3,5 m; with strainer and C-coupling at one end		5775

Accessories for mobile irrigation system BWS 130 and BWS 500 (delivery without packing)

Designation		Order no.
	Spraying lance with GEKA-coupling and hand lever valve	5826
	Watering shower head with rubber edge R 3/4", max. 80 l/min	10045
	Water hose per metre	5889
		5855



Technical specifications subject to change.

PE Tanks [PG 8]

PE beverage tanks

- in food-safe PE
- low outlet with tap DN 18
- with screw cap, diameter 220 mm
- with 2 handles (for transporting when empty)
- the sealing cap can be fitted instead of the outlet tap
- optional adapter with 1" external thread or 1 1/2" external thread (see accessory)



PE beverage tanks

Designation	Capacity l	Dimensions cm (* x w x h*)	Weight approx. kg	Order no.
PE beverage tank 60	60	55 x 35 x 57	3.5	8886
PE beverage tank 100	100	63 x 42 x 67	5.5	8887
PE beverage tank 150	150	73 x 45 x 74	8.5	8888
PE beverage tank 200	200	84 x 48 x 81	11	8889
PE beverage tank 300	300	91 x 59 x 89	13.5	8890
PE beverage tank 500	500	106 x 73 x 103	21	8891

* Length with outlet tap, height with lid and sealing plug.

Graduated price		rabate 3 %	rabate 5 %	rabate 8 %
Designation / Typ	Order no.	quantity	quantity	quantity
	PE beverage tank 60	3	5	10
	PE beverage tank 100	3	5	10
	PE beverage tank 150	3	5	10
	PE beverage tank 200	3	5	10

Accessories and spare parts for PE beverage tanks

Designation	Order no.
Screw cap, dia. 220 mm with sealing plug	8892
Sealing plug	8893
Outlet tap DN 18	8894
Adapter with 1" external thread	8895
Adapter with 1 1/2" external thread	8896
Outlet tap brass, nickel-plated with 1" internal thread	1304
Outlet tap brass, nickel-plated with 1 1/2" internal thread	1306

Technical specifications subject to change.

Polyethylene storage tanks [PG 8]

- **Storage tanks and large reservoirs:** 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 1000l and 5000 l) and conform to the KTW recommendations of the Federal Health Office (BGes.Bl. Jg. 77, 1. & 2. Mitt. ff).
- **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)



Storage tank 5000 l with 3 x 2" connections and 1 connection S 160 x 7

PE storage tanks

Designation / Capacity l	Dimensions cm (l x w x h)	Inspection dome dia. mm	Weight approx. kg	Order no.	
Storage tanks	750	74 x 74 x 164	140	25	7848
	1000	124 x 72 x 125	500 x 400	40	7649
	1100*	145 x 72 x 134	400	53	8315
	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 reservoirs	2000	202 x 88 x 165	500 x 400	95	7652
	3000	263 x 88 x 165	500 x 400	130	7653

* with bands

Technical specifications subject to change.

Polyethylene storage tanks [PG 8]

Accessories for storage tanks 750 l up to 2000 l and large reservoir

Designation	suitable for						Large reservoir		Order no.
	Storage tanks					2000 l	3000 l		
	750 l	1000 l	1100 l	1500 l	2000 l				
 Flange with ball valve 1"	X	X	X	X	X	X	X	7654	
 Mechanical filling level indicator	X			X	X	X	X	7655	
 Screw connection for immersion pump	X	X	X	X	X	X	X	7656	
 Connection line 2"	X	X	X	X	X	X	X	7657	
 Floating discharge			X	X	X	X	X	7658	
 Universal flange con. angle 1"	X	X	X	X	X	X	X	7659	
 Universal flange con. T-piece 1"	X	X	X	X	X	X	X	7660	
 Universal flange con. angle 2"	X	X	X	X	X	X	X	7661	
 Universal flange con. T-piece 2"	X	X	X	X	X	X	X	7662	
 Flange connection 1"	X	X	X	X	X	X	X	7736	
 Flange connection 2"	X	X	X	X	X	X	X	7737	

Accessories for storage tank 5000 l upon request.

Water tank [PG 8]



Flat reservoir for installation underground with dome shaft

Flat reservoirs are equipped with an integrated dome shaft system with traversable plastic cover, an air intake DN 100 and an overflow siphon DN 100 with a barrier to keep small animals out. Accessories see page 199.

Installation advantages thanks to flat shape

The flat reservoir offers great advantages during installation due to its optimised shape and especially flat design. Compared to conventional rainwater tanks, the necessary excavation work for the ex-

cavation pit can be reduced by up to 40%. The flat design permits installation even if the water table is very high. The two side-by-side cylinders provide strength advantages. Two reservoir chambers with smaller diameters are much stronger than one chamber with a large diameter. This allows design freedom for the areas above the reservoir (e.g. traversable by car). The reservoirs are available in the sizes 3,500 l and 5,000 l.

What is CEMO offering with the new reservoir concept

With a well-thought-out and optimised reservoir concept, including the corre-

sponding accessories, the customer receives a complete system for professional rainwater utilisation. The optimally coordinated components permit rapid and simple installation.

A flexible response to individual requests and local situations is possible. The corresponding solution can be offered for almost every application.

Linking reservoirs

Several flat reservoirs can easily be connected using a lower connecting line by means of KG pipe DN 100. A special seal DN 100 is required for each of the bore surfaces for this purpose. This can be realised with the "Connecting set DN 100" (see page 199).

Traversable by car

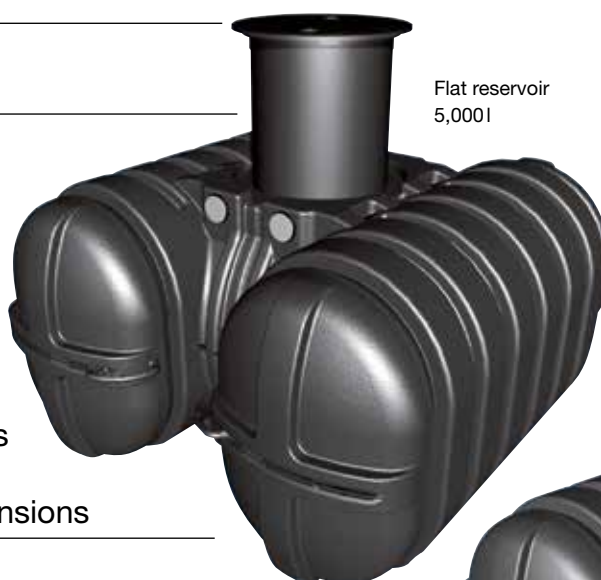
The flat reservoirs can be traversed by cars. For this, the traversable shaft cover must also be ordered from the range of accessories on page 199. It is important to observe the installation instructions, in order to ensure that the reservoirs are traversable by cars.

traversable by car

variable dome shaft

installation advantages, up to 40 % less excavation work

logistics advantages thanks to ideal transportation dimensions



Flat reservoir 5,000l

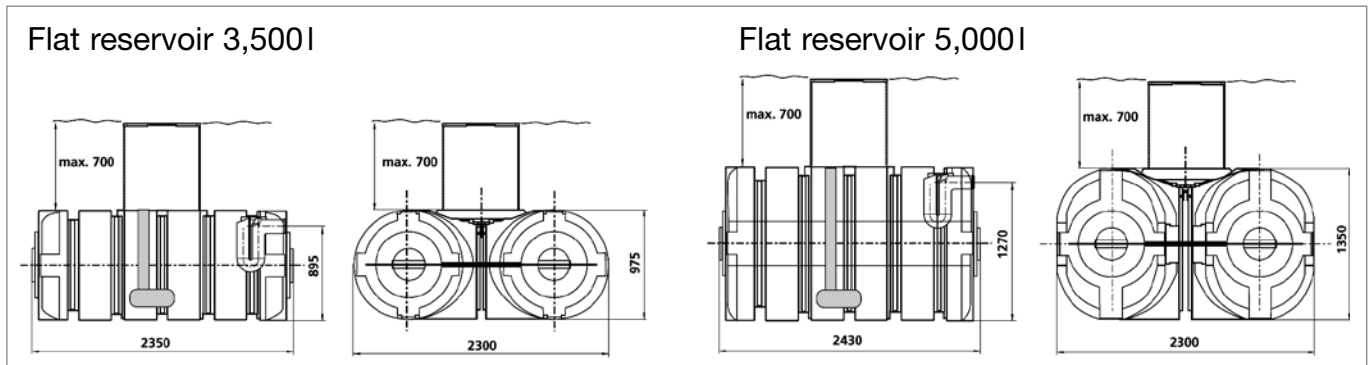
10 year guarantee



Flat reservoir 3,500l

Technical specifications subject to change.

Water tank [PG 8]



Flat reservoir

Designation / Capacity l	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Flat reservoir 3,500l incl. shaft and cover	235 x 230 x 97.5	140	8898
Flat reservoir 5,000l incl. shaft and cover	243 x 230 x 135	170	8899

Accessories for flat reservoir

Designation	Order no.
 <p>Cartridge filter expansion package For installation in a rainwater reservoir for roof areas up to 150 m², filter cartridge of stainless steel, height difference between inlet and outlet 66 mm. Mesh size 0.55 mm incl. accessories for installation in the dome shaft of flat reservoirs.</p>	8900
 <p>Garden filter expansion package Consists of filter basket with filter housing, connectors and connecting accessories for installation in the dome shaft system of the flat reservoir.</p>	8901
 <p>Inlet settling fitting expansion package For retrofitting the flat reservoirs, consisting of KG pipe DN 100 and inlet settling fitting.</p>	8902
 <p>Floating intake for flat reservoir Consists of PE float, intake filter with integrated brass check valve, clamping fitting for PE water pipe 1".</p>	8903
 <p>Shaft extension Shaft extension 500 mm for fitting onto the integrated shaft system. For installation of the containers between 700 and 1,200 mm ground coverage. The shaft extension can be shortened.</p>	8904
 <p>Car-traversable shaft cover (600 kg wheel load) Suitable for replacing the shaft cover included in the scope of delivery. Can sustain up to a wheel load of 600 kg.</p>	8905
 <p>Connecting set For connecting the flat reservoirs with KG pipe DN 100, consisting of hole saw and 2 x special seal DN 100.</p>	8906

Rectangular containers

Rectangular containers made from glass fibre reinforced plastic, GRP.

Wherever transport and storage containers with particularly high stability, low weight and extreme resistance to corrosion are required, then GRP rectangular containers

Food-safe model:

Drum and/or square containers steamed and cleaned (on request)



Rectangular container, for example with castor frame (accessory)



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

Technical specifications subject to change.

Rectangular containers [PG 8]

made from glass fibre reinforced plastic, GRP

Containers with forklift pockets:

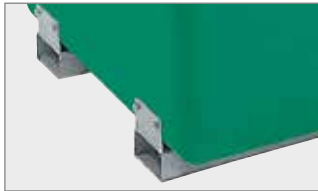
- forklift pockets attached in a leak-tight manner using stainless steel coach bolts
- suitable for rotary forklifts, insertion

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



Forklift pockets



Accessory: steel base frame



Accessory: castor frame



Accessory: Screw in threaded connector

- sizes 100l up to 4,500l
- reinforced handling rim
- smooth inside and outside surfaces for easy cleaning
- corrosion resistant and extremely light
- highly stable and rigid
- stackable
- UV-resistant
- rigid seating due to centering lugs
- various transport equipment, foot and castor support frame may be removable





Capacity l	Internal dimensions cm top (l x w x h)	External dimensions cm top (l x w x h)	Weight approx. kg	Order no. green	Order no. grey	Order no. 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 202.

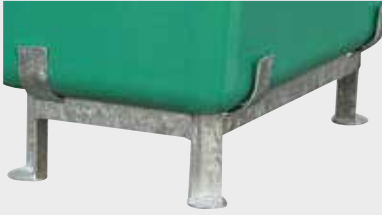
Technical specifications subject to change.

Rectangular containers [PG 8]

Accessory flat lid

Version for size	External dimensions cm (l x w x h)	Weight approx. kg	Order no.	
	100	89 x 59 x 4	2	1168
	200 flat	123 x 64 x 4	2.5	1169
	200 short	89 x 59 x 4	2	1168
	300	120 x 72 x 4	3.5	1170
	400	120 x 80 x 4	4	1171
	500 flat	154 x 89 x 4	8	6956
	550	134 x 98 x 6	5.5	1172
	700	134 x 98 x 6	5.5	1172
	1100	163 x 120 x 6	6.5	1173
	1500 short	183 x 140 x 6	10.5	1174
 <p>Flat lid for large container with integrated quick lock lid dia. 380 mm</p>	2200	212 x 149 x 6	15	1175
	3300	205 x 205 x 6	23	1979
	4500 large container	453 x 113 x 11	30	7819

Accessory steel base frame (also for grit container)

Version for size	Weight approx. kg	Order no.
 <p>Galvanised steel base frame for more secure support</p>	100	7784
	200 flat	7785
	200 high	7786
	300	7787
	400	7788
	550	7789
	700	7790
	1100	7591
	1500	8010
	2200	8011

Accessory castor frame (castor = CA; also for grit container)

Version for size	Weight approx. kg	Order no.
 <p>Galvanised castor frame for mobile use 2 castors with additional turning and steering stops</p>	100 (CA dia. 100 mm) PP	7812
	200 flat (CA dia. 100 mm) PP	7813
	200 high (CA dia. 100 mm) PP	7814
	300 (CA dia. 100 mm) PP	7815
	400 (CA dia. 100 mm) PP	7816
	550 (CA dia. 125 mm) PP	7817
	700 (CA dia. 125 mm) PP	7818
	1100 (CA dia. 150 mm) PA	8012
	1500 (CA dia. 200 mm) PA	8013
	2200 (CA dia. 250 mm) PA	8014

Accessories for rectangular containers






Designation	Thread	without installation Order no.	with installation on the tank Order no.
 <p>Screw through threaded connector (brass) with external thread, 2 lock nuts</p>	¾"	1393	8843
	1"	1394	8844
	1¼"	1395	8845
	1½"	1396	8846
	¾"	1397	8847
 <p>Screw in threaded connector (brass, nickel-plated) with external thread, food safe</p>	1"	1398	8848
	1¼"	1399	8849
	1½"	1500	8850
	2"	1501	8851
	ET 1" IT ½"	1515	8852
 <p>Screw in threaded connector (plastic) with external and internal threads</p>	ET 1¼" IT ¾"	1516	8853
	ET 1¼" IT 1"	1517	8854
	ET 2" IT 1½"	1518	8855
	ET 2¾" IT 2"	1519	8856

ET = external thread IT = inside thread

Technical specifications subject to change.

Rectangular containers [PG 8]

Accessories for rectangular containers

Designation		Thread	Order no.
 Ball valve discharge 90° angled, nickel-plated brass		½"	3775
		¾"	3776
 Discharge valve (brass, nickel-plated) with internal thread at both ends		¾"	1303
		1"	1304
		1 ¼"	1305
		1 ½"	1306
		2"	1307
		1"	6426
 Plastic ball valve (PVC) internally threaded		1 ½"	6428
		2"	6429
		3"	6430
 Spindle valves (plastic) with ext. thread matched to screw in threaded connector		½"	1314
		¾"	1315
 1 kg repair pack pre-accelerated resin, hardener, glass fibre, brush 0.5 kg repair pack pre-accelerated resin, hardener, glass fibre, brush Polyester adhesive pack (1 kg adhesive resin, hardener)		neutral	1617
		green	1618
		neutral	5144
		green	5145
			1619

General purpose box [PG 8]

General purpose box

- container and lid (grey) are made from glass fibre reinforced plastic (GRP)
- 100 % weather proof and durable
- lockable
- ideally suited for the storage of tools and small parts
- steel base frame or loading bracket for loading using a truck crane are available on request
- example application: construction industry, landscaping and tradesmen



General purpose box

Designation / Capacity l	Dimensions in cm (l x w x h)	Weight approx. kg	Order no.
General purpose box 100	89 x 59 x 37	9	10134
General purpose box 200	89 x 59 x 67	12	10135
General purpose box 400	120 x 80 x 72	22	10136
General purpose box 550	134 x 99 x 78	26	10137

Accessories for general purpose box

Designation	Order no.
Padlock, galvanised	1490
Scissors opening mechanism, complete mounting kit	3212

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.



[www.cemo.de/
transport-lagerbehaelter](http://www.cemo.de/transport-lagerbehaelter)



Load-able

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.



Access-able

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



Transport-able

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

Technical specifications subject to change.



Stack-able

All models are moulded with lugs and recesses that allow them to be stacked safely and securely.



Crane-able

The 250 and 750 litre versions can be equipped with a special jig to allow them to be suspended and lifted around a work site using a crane.



Lock-able

Adjustable tappet closures with padlock loops help prevent unwanted interference with the contents of your CEMbox.



Roll-able

The trolley version of the 150 litre CEMbox provides a convenient solution for movement on site.



Label-able

The 150 and 400 litre versions have a moulded recess to allow for marking and labelling.



Adapt-able

A range of useful accessories allows the Cembox to be used in a variety of ways. Compartment dividers, installable and stackable trays, foam inserts and more provide for extensive individual adaptation.

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 as well
- side door optional (750 l box)
- optimal dimensions for flatbed vehicles
- stackable, with locking pins
- 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

- 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:

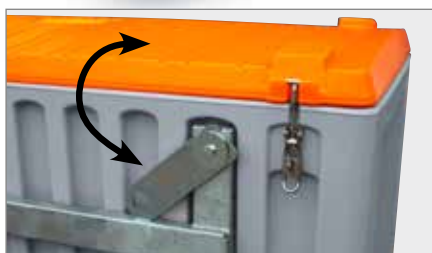
- reinforced design with crane lugs and stable crane frame (250 l and 750 l box)



NEW



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



CEMbox 750 l for use with cranes



CEMbox 250l, yellow (other special colors available for orders of 25 units or more)

CEMbox

Designation	Capacity l	Internal dimensions cm (l x w x h)	External dimensions cm (l 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 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




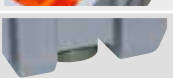


Available in additional colors for orders of 25 units or more.

Graduated price					
	Designation	Order no.	rabate 3 % quantity	rabate 5 % quantity	rabate 8 % quantity
%	CEMbox Trolley 150, grey/orange	10331	3	6	12
	CEMbox 250, grey/orange	10332	3	6	12
	CEMbox 400, grey/orange	10334	3	6	12
	CEMbox 750, grey/orange	10335	3	6	12





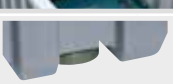


Technical specifications subject to change.

CEMbox [PG 8]

Accessories for CEMbox 150I and 250I

Designation	CEMbox 150 I		CEMbox 250 I	
	Dimensions cm (l x w x h)	Order no.	Dimensions cm (l x w x h)	Order no.
 Insert for delicate tools, long, PE	73 x 15 x 6	8955	113 x 15 x 6	8170
 Partition	54 x 37	8956	54 x 38	8171
 Insert, stackable	43 x 28 x 19	10016	43 x 28 x 19	10016
 Flatbed attachments	-	8666	-	8666
 Insert of polyurethane foam, cube size: 22x22x50 mm	66 x 48 x 40	10048	-	-
 Anti-slip mat, oil and weather-resistant	60 x 80	10166	80 x 120	10167

Accessories for CEMbox 400I and 750I

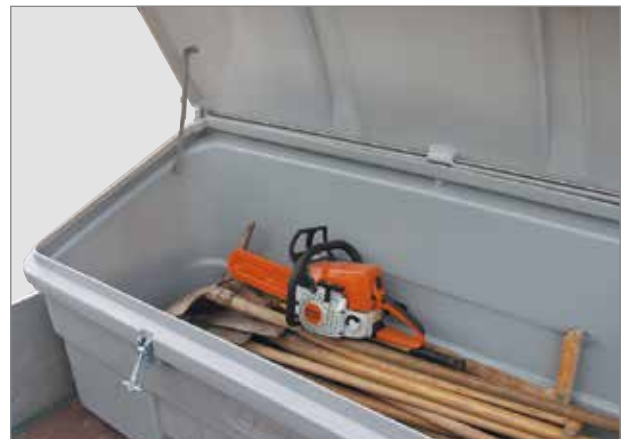
Designation	CEMbox 400 I		CEMbox 750 I	
	Dimensions cm (l x w x h)	Order no.	Dimensions cm (l x w x h)	Order no.
 Insert for delicate tools, long, PE	113 x 15 x 6	8170	160 x 15 x 6	8492
 Insert, metal	-	-	67 x 74 x 17	8688
 Rubber mat for metal insert	-	-	66 x 73	8689
 Partition	73 x 40	8957	76 x 60	8493
 Flatbed attachments	-	10111	-	8494
 Anti-slip mat, oil and weather-resistant	80 x 120	10167	80 x 180	10166 + 10167
 Set of wheels, consisting of 4 solid rubber wheels (Ø 125 mm) with rotation stop and swivel lock, includes mounting accessories	-	10250	-	10251

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

Designation / Capacity l	Dimensions in cm (l 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

Designation	Order no.
Platform fastening kit (for fastening on 2 corners)	7883

Technical specifications subject to change.

Logistics box [PG 8]

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



Logistics box 300 l



Logistics box 525 l



Logistics box 610 l

Logistics box

Designation / Capacity l	External dimensions cm (l x w x h)	Load-bearing capacity, individual, kg	max. boxes stacked	Load-bearing capacity complete, stacked, kg	Weight approx. 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

Designation	External dimensions cm (l 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

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

Technical specifications subject to change.

Steel tipping container [PG 8]

Steel tipping container

- can be emptied easily and automatically at any height by cable operated from the drivers seat
- favourable center of gravity
- sturdy frame with forklift pockets
- can be secured to prevent unintended slipping off the fork
- fitted with two guide rollers and two fixed rollers
- clamp for pushing included
- ideal for operating with a forklift truck
- type TS 400 possible to tilt at ground level



TS 400



TS 750 / TS 1000



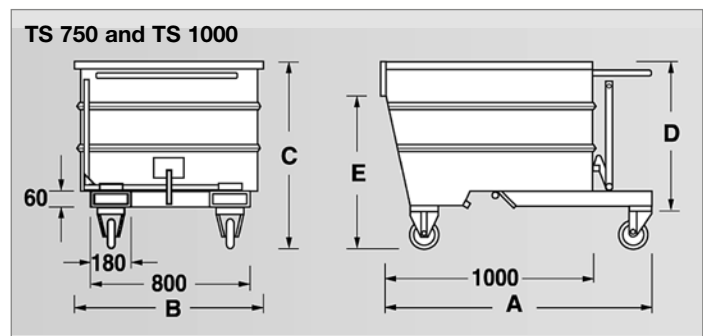
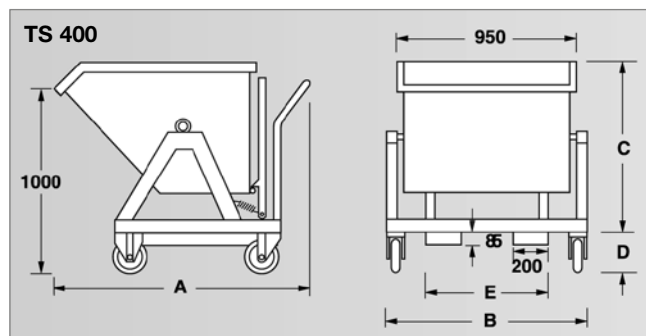
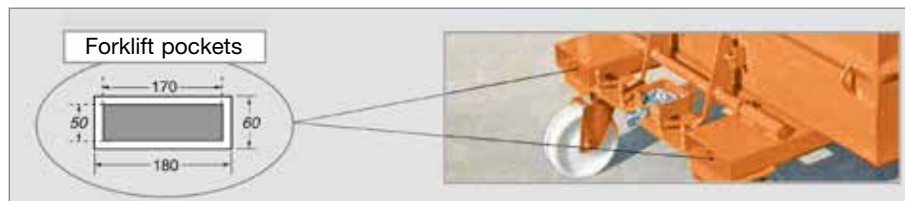
TS 400



TS 400



TS 750 / TS 1000



* 1250 mm (TS 1000)

Steel tipping container

Designation	A mm	B mm	C mm	D mm	E mm	Capacity l	Loading kg	Weight approx. kg	Wheels dia. mm	Order no.
Container TS 400	1300	1010	910	210	620	400	1000	142	175	10059
Container TS 750	1350	1070	1030	825	800	755	1350	152	175	10060
Container TS 1000	1550	1070	1210	970	920	1070	1700	180	200	10061

Technical specifications subject to change.

PE Boot cleaner [PG 8]

- made from high quality UV stabilised polyethylene
- equipped with three fixed brushes and a hand brush with hose
- water connection 1/2"
- stainless steel fittings
- integral tray to collect dirty water and enable disposal with 1 1/2" connection
- integral hand grips



integral tray to collect dirty water and enable disposal with 1 1/2" connection



PE Boot cleaner

Designation	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
PE Boot cleaner	52 x 47 x 90	15	10101

Rinsing tray [PG 8]

- from highly resistant GRP
- impact and scratch-proof, as well as resistant to high temperatures.
- discharge with plug
- 1 1/4" with discharge connection



GRP Rinsing tray

Designation / Capacity l	Dimensions cm (l x w x h)	Order no.
Rinsing tray 75	80 x 55 x 30	1086
Rinsing tray 100	105 x 55 x 30	1087

Accessories for rinsing tray

Designation	Dimensions cm (l x w x h)	Order no.
Wall bracket, galvanised, 46 cm wide		1088
Floor frame from galvanised steel tube	for rinsing tray 75l	1089
	for rinsing tray 100l	1090
Drainage hose plastic with screw connector		1091

Technical specifications subject to change.

Winter service and spreaders





Weather service done properly

Fifty years of experience – take note!

CEMO has been engaged with the topic of winter service for decades and gathered many important experiences in the process. For this reason, we would like to give you some useful tips for the winter service. In our opinion, ergonomics and service life are two factors that characterise high-quality winter service products. As a user, you should achieve optimal work results for the least possible effort: with long-lasting products that do not have to be purchased at the start of each winter season.

Ergonomics



- ✓ The access opening enables access to the spreading material **without opening the lid**
- ✓ The totally smooth inside and outside walls enable **residue-free cleaning** with nothing more than the power of a jet of water and no need for additional mechanical processing
- ✓ For the storage or replacement of the lids, these can be dismantled and stacked entirely **without tools** in a very short space of time

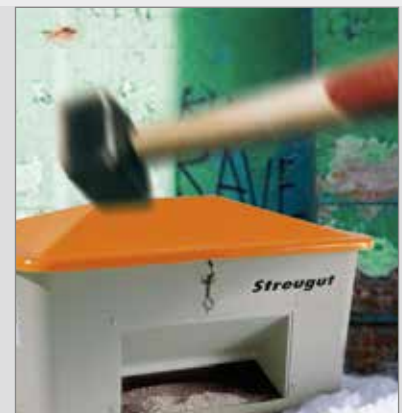


- ✓ The smooth-running mechanism (gear box, drive etc.) is a precondition for **power-saving spreading**, even of larger surfaces
- ✓ Height-adjustable push rods can adapt to a **wide range of body sizes**
- ✓ Precisely settable spreading widths enable **optimal dispensing** of the spreading material
- ✓ Bulky, air-filled wheels ensure a **high level of power transmission** to snow-covered surfaces
- ✓ The low weight is decisive for working over extended periods of time while **protecting your back**
- ✓ The special ergonomic shape of the handles **reduces the tendency** of the full shovel to tip and thus any unintentional tipping out of the snow
- ✓ The high shovel edge enables the clearing of larger amounts of snow **in a short space of time**
- ✓ The shovel blade is made from glass fibre reinforced plastic, which **prevents the snow from sticking to the shovel** and **allows the targeted unloading** of the shovel's contents
- ✓ The high stiffness of the shovel as a whole **enables power to be transferred** to the area to be cleaned without loss.



Service life

- ✓ As a material, glass fibre reinforced plastic is absolutely weather and corrosion-proof for decades, which means we are able to grant an **extraordinary warranty of 10 years**
- ✓ The function of the stainless steel fittings guarantees you **safe operation** over the entire service life, as there is **no corrosion to impede function**
- ✓ Special anti-vandalism lids also **withstand malicious damage** and reduce your need for replacements
- ✓ The totally stable containers enable safe closing of the lid over decades. The spreading material is therefore **protected against moisture**.



- ✓ The spreading quantity is dispensed via a **stable bar** instead of a fault-prone Bowden cable
- ✓ Particularly stressed metal parts that come into contact with the spreading material are made from stainless steel or powder-coated to **protect against corrosion**
- ✓ Salt-resistant PE containers **also withstand the lowest temperatures and aggressive spreading materials**
- ✓ Parts subjected to strong mechanical loads, such as gear units, are **robust** and made from **high-grade materials**
- ✓ You can replace all wearing parts yourself **quickly, without problem and affordably**



- ✓ The shovel blade made from glass fibre reinforced plastic remains virtually **wear-free for years**
- ✓ The solid aluminium edge can be **easily replaced at any time**



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
- ✓ 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.



www.cemo.de/winterdienststreuer.html



Stackable

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



Lockable

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



Access opening

With or without access opening according to preference

Technical specifications subject to change.



Anti-vandalism cover

Extremely impact-resistant and inherently stable material ("hammer test"), plus increased wall strength (for 400, 550 and 700 l containers).



Tool-free removal

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



Smooth surfaces

Less dirt thanks to smooth external walls (dirt not allowed to build up); no residues left behind after draining and easy to clean thanks to smooth internal walls in the container.

GRP Grit container [PG 8]

- container and lid from glass fibre reinforced plastic, GRP
- GRP grit containers are 100 % corrosion- and weather-proof
- stainless steel spring closure, self-closing
- simple opening from the outside and inside
- simple, safe handling
- space and time-saving to store and remove from storage (stackable)
- from 400l - 700l litres (additionally) with removable retaining straps for lids
- from 1100l to 2200l (standard) with stainless steel lockable lid supports
- 10 year guarantee



Colour combination yellow/yellow without chute



Colour combination green/orange with chute

Grit container

Capacity l	Dimensions in cm (l x w x h)	with or without chute	Weight approx. kg	Container grey lid orange Order no.	Container green lid orange Order no.	Container yellow lid yellow Order no.
100	89 x 59 x 37	without	9	7317	7426	-
200	89 x 59 x 67	without	12	7318	7427	8622
		with	14	7319	7428	-
400	120 x 80 x 72	without	22	7320	7429	8623
		with	24	7321	7430	-
550	134 x 99 x 78	without	26	7322	7431	-
		with	28	7323	7432	-
700	134 x 99 x 96	without	30	7324	7433	-
		with	32	7325	7434	-
1100	163 x 121 x 101	without	50	7435	7441	-
		with	52	7436	7442	-
1500	184 x 143 x 104	without	70	7437	7443	-
		with	72	7438	7444	-
2200	213 x 152 x 124	without	92	7439	7445	-
		with	94	7440	7446	-

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 (l x w x h)	with or without chute	Weight approx. kg	Container grey, lid orange Order no.	Container green, lid orange Order no.
400	120 x 80 x 72	without	22	8094	8100
		with	25	8095	8101
550	134 x 99 x 78	without	27	8096	8102
		with	29	8097	8103
700	134 x 99 x 96	without	31	8098	8104
		with	33	8099	8105




Anti-vandalism lid for upgrading existing GRP grit containers

For container size	Order no.
400	8087
550 and 700	8088

Technical specifications subject to change.

GRP Grit container

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 dismantled from container with tools.	3212
 Sticker "Salt / Grit" (further language options upon request)	5 pcs 8625 10 pcs 8626

Accessory steel base frame galvanized, for stable footing [PG 8]

Version for size	Weight approx. kg	Order no.
 100	8	7784
200	10	7786
400	12	7788
550	16	7789
700	16	7790
1100	25	7591
1500	42	8010
2200	48	8011

Accessory castor frame galvanized, for mobile use (castor = CA) [PG 8]

Galvanized roller stand for mobile use, 2 castors with additional roller stop

Version for size	Weight approx. kg	Order no.
 100 (CA dia. 100 mm) PP	9	7812
200 (CA dia. 100 mm) PP	9	7814
400 (CA dia. 100 mm) PP	14	7816
550 (CA dia. 125 mm) PP	18	7817
700 (CA dia. 125 mm) PP	18	7818
1100 (CA dia. 150 mm) PA	25	8012
1500 (CA dia. 200 mm) PA	42	8013
2200 (CA dia. 250 mm) PA	48	8014

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

GRP Grit container handling [PG 8]

Loading frame for loading and emptying of filled GRP grit containers with a truck crane

This innovative handling concept was developed in conjunction with the municipal authorities.

Based on the grit container, it is now possible to make full use of the advantages (lid removable without tools). Using the hydraulic loading bracket, the grit container can now be picked up, emptied and stored by a single person.

Thus reducing time, space and personnel costs to a minimum.



hydraulic loading bracket

be picked up, emptied and stored by a single person

reducing time, space and personnel costs to a minimum



Engaging the loading frame from the side after removal of the removable lid (shown with 700 l grit container)



Lifting the container (shown with 200 l the grit container)



Tipping the grit out onto a truck platform (shown with 700 l the grit container)

Loading frame

Model		Weight approx. kg	Order no.
Loading frame, hydraulic, tilting	for grit container 400, 550 and 700 l	120	7738
Auxiliary frame, for loading frame, hydraulic, tilting	for grit container 200 l	8	7739
Loading frame, rigid, non-tilting	for grit container 200 l	15	1833
	for grit container 400 l	30	1832
	for grit container 550 and 700 l	40	2109

Go-Box [PG 1]

For grit, sand, binding agent, etc.; for use and storage inside and outside, with sturdy rubber wheels and much more **see catalogue page 209**

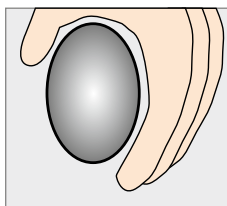


Technical specifications subject to change.

GRP snow shovel [PG 8]

GRP snow shovel

- high-quality GRP snow shovel
- solid aluminium edge
- absolutely resistant to corrosion
- smooth surface prevents adhesion of snow
- high, strong raised sides
- double-arc'd shaft with D handle for ergonomic and efficient use



Easy-to-grip oval shaft

Display

- high-quality base plate for three snow shovels
- variation with back panel display
- assembly in minutes without tools
- snow shovel serves as display holder



Solid aluminium edge



Display with base plate for up to three GRP snow shovels

GRP snow shovel with D handle

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

Graduated price		Order no.	rabate 3 % quantity	rabate 5 % quantity	rabate 8 % quantity / package
%	GRP snow shovel	10064	3	5	-
	10 pcs. per package GRP snow shovel 10064	10066	-	-	1x10*

* 10 snow shovel blades and 10 snow shovel handles, each packed in a separate carton

Display for GRP snow shovel

Designation	Dimensions cm (l x w x h)	Order no.
Display for GRP snow shovel with "5-star quality" winter display design	60 x 75 x 160	10216
Base plate for display	60 x 75 x 5	10217

Technical specifications subject to change.

Double-walled brine storage tank [PG 4]

Double-walled horizontal tank in GRP

- approval no. Z-40.11-479
- double-walled GRP tank, weather-resistant and suitable for outdoor installation
- intermediate space monitorable with vacuum-based leak detector
- opaque coating

- galvanised steel frame
- large DN 500 inspection dome
- dome lid with connections for necessary accessories
- ladder to the dome lid
- excellent thermal insulation thanks to "sandwich technology"

- interior tank heater available as an accessory
- available heatable cover for dome lid

large DN 500 inspection dome

weather-resistant and suitable for outdoor installation

excellent thermal insulation "sandwich technology"

intermediate space monitorable with vacuum-based leak detector

opaque coating

galvanised steel frame

Accessories:
interior tank heater,
GRP cover heatable
and accessory pack
pump cabinet



Example of pump cabinet with a leak detector unit, content level indicator and overflow protection, accessory 8932 (see page 223)



Completely installed brine unit including pump

DWT tank, horizontal, GRP, chemical protection layer made of special resin

Capacity l (netto, 95%)	Dimensions cm (l x w x h)*	Tank dia. cm	Weight approx. kg	Order no.
4000	230 x 191 x 207	160	410	-
5000	285 x 191 x 207	160	450	-
6000	336 x 191 x 207	160	510	-
8000	440 x 191 x 207	160	660	-
8000	296 x 233 x 246	200	650	-
10000	362 x 233 x 246	200	730	-
15000	446 x 256 x 266	220	1100	-
20000	584 x 256 x 266	220	1400	-
25000	724 x 256 x 266	220	1960	-
30000	860 x 256 x 266	220	2515	-


* Height with cover fitted additional 35 cm

*** Prices are dependent on the density and composition of the salt/grit and the number and type of connections desired.

Technical specifications subject to change.

Double-walled brine storage tank [PG 4]

Accessory for DWT tank, horizontal

Designation	Order no.
 <p>Accessory pack for complete tank system, filling line with tanker coupling 3", ventilation, complete pipework with magnetic valve as siphon protection and hood over dome cover. Pre-assembled pump cabinet with plastic centrifugal pump 400V approx. 200 l/min, filling and removal pipes on the container, vacuum leak display device, electric overfill protection system, terminal box. All parts are pre-assembled and pre-wired where possible.</p>	8932

*** Prices are dependent on the density and composition of the salt/grit and the number and type of connections desired.

PP shovels [PG 8]

Corrosion resistant PP shovels

- corrosion resistant shovels made of polypropylene (PP)
- ideal for handling corrosive materials such as grit used on the roads
- low weight
- high durability
- non-adhesive surface
- 100 % corrosion-resistant
- UV-stabilised and virtually shatterproof material
- used in agriculture, municipalities and the food industry.



Corrosion resistant PP shovels

Designation	Shovel dimension cm (l x w x h)	Overall length cm	Weight approx. kg	Order no.
Hand scoop medium PP01	19 x 14 x 7.5	31	0.2	7964
Hand scoop large PP02	23 x 17 x 9	36	0.3	7965
General purpose shovel D-grip standard PP03	31.5 x 25 x 4	98	1.1	7966
General purpose shovel D-grip medium PP04	35 x 26 x 8	105	1.4	7967

Graduated price		rabate 3 %	rabate 5 %	rabate 8 %	
Designation / Type	Order no.	quantity	quantity	quantity	
	PP01	7964	5	10	15
	PP02	7965	5	10	15
	PP03	7966	5	10	15
	PP04	7967	5	10	15

Technical specifications subject to change.

Grit spreaders

Gritters for private and commercial use

To make it easier for you to meet your spreading obligations, CEMO has developed an extensive range of spreaders. By using CEMO spreaders you will save valuable time and precisely meter the

quantity of material spread – thus saving spreading material and protecting the environment.

The spreaders were developed for all-purpose use for a variety of spreading materials such as salt, gravel, sand, oil-binding

agents, seed, fertilizer or quicklime.

The spreaders are used in municipalities, industrial operations, public buildings, railway stations, parks, office buildings, hotels, building management facilities, etc.



Technical specifications subject to change.

Grit spreaders [PG 8]



Type SW 20-P
painted
steel tube frame

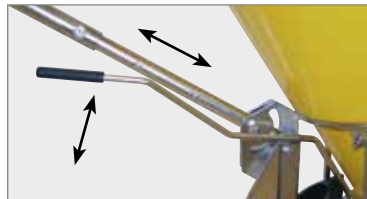
Type SW 20-E

Type SW 35-E

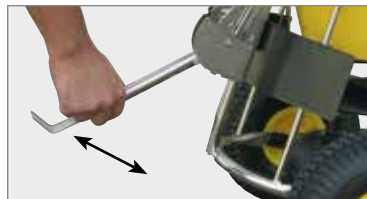
Type SW 50-E

Stainless steel spreader with PE hopper

- for commercial and private use
- suitable for different gritting materials and spreading widths
- quick and easy assembly
- robust construction
- stainless steel axles
- stainless steel frame (Type SW 20-P: painted steel tube frame)
- handle has three length adjustments and continuously adjustable in height
- hinged pedestal (SW 20-E, SW 35-E and SW 50-E)



Switching lever and adjustable driving rod



hinged pedestal



Additional anti-compression assembly on SW 35-E and SW 50-E

Stainless steel spreaders with PE hopper

Capacity l	Version	Spreading width m	Spread. steps	Weight approx. kg	Order no.
20	Type SW 20-P for medium spreading areas yellow plastic hopper, steel tube frame, painted, plastic wheels with hard rubber bearings, robust gearing, spreading quantity regulator, adjustable handle, supplied as pre-assembled modules.	1 up to 4	6	8	8907
20	Type SW 20-E for medium spreading areas yellow plastic hopper, stainless steel tubular frame, pneumatic rubber tyres with winter tread, robust gearing, spreading quantity regulator, adjustable handle, supplied as pre-assembled modules.	1 up to 4	6	9	8063
35	Type SW 35-E for medium spreading areas specification as for type SW 20-E, with additional anti-compression assembly	1 up to 4	6	9,5	8064
50	Type SW 50-E for medium spreading areas specification as for type SW 20-E, with additional anti-compression assembly, robust aluminium gear and axle bearing suitable for lubrication	1 up to 4	6	15	10020

Graduated price		rabate 3 %	rabate 5 %	rabate 8 %
Designation / Type	Order no.	quantity	quantity	quantity
Type SW 20-E	8063	3	5	10
Type SW 35-E	8064	3	5	10

Accessory for stainless steel spreaders with PE hopper

Designation	Order no.
Cover for SW 20-P and SW 20-E	7884
Cover for SW 35-E	7885
Cover for SW 50-E	10021

Technical specifications subject to change.

Grit spreaders [PG 8]

KS 35-E drop spreader

- for private and commercial use
- for various types of spreading material such as salt, grit, sand, oil binding agents, seed or fertilizer
- robust stainless steel agitator shaft with interlocked teeth
- accurate spread width of 60 cm
- quantity to be spread can be precisely and continuously adjusted via the eccentric disk
- fast, easy assembly
- all parts that come into contact with media are made from stainless steel or plastic
- hopper made of corrosion-resistant polyethylene
- powder-coated steel frame
- collapsible support foot
- adjustable-length push rod
- air-filled rubber tyres with winter or rough terrain treads
- axle divided in the middle, moves around corners easily

adjustable-length
push rod

all parts that come into contact with media are made from stainless steel or plastic

collapsible support foot

robust agitator shaft

air-filled rubber tyres with winter or rough terrain treads



Collapsible support foot



Adjustable-length push rod, large operating lever



Uniform scatter, accurate spread width



Rugged agitator shaft, axle divided in the middle



Eccentric disk

KS 35-E drop spreader

Designation	Capacity l	Spread width in cm	Weight approx. kg	Order no.
KS 35-E drop spreader	35	60	16,5	8487

Accessory for KS 35-E drop spreader

Designation	Order no.
 Cover for KS 35-E	8495

Technical specifications subject to change.

Grit spreaders [PG 8]

Grit spreader with PE hopper

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



rugged transmission with aluminium housing



Disengageable gear


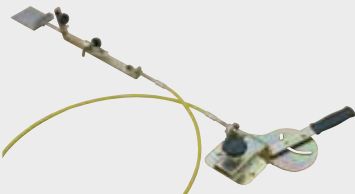


Type SW 130

Spreaders with PE hopper

Capacity l	Version	Spreading width in m	Spreading steps	Weight approx. kg	Order no.
130	Type SW 130 for large spreading areas, incl. gearing more robust with aluminium 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.	up to 5	10	39	10063

Accessories for spreaders with PE hopper

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

Grit spreaders [PG 8]

Spreader SW 200 and SW 300 with PE hopper

- for commercial and private use
- suitable for different gritting materials and spreading widths
- robust construction
- gearbox with aluminium housing, can be disabled
- sturdy, greasable wheel bearings
- painted steel tube frame
- all parts that come into contact with the media are stainless steel or plastic
- spreading amount, spreading direction and spreading width can all be set as required
- 16 x 6.5 wheels with pneumatic rubber tyres, winter profile
- parallel height-adjustable drawbar
- lighting with 7-pin plug
- supplied as pre-assembled modules



Type SW 200



Additional anti-compression



Spreading quantity control



Disengageable gear



stainless steel spreader disc, adjustable



robust dragging wheel bearing



Type SW 300

Spreaders SW 200 and SW 300

Capacity l	Version	Spreading width in m	Spreading steps	Weight approx. kg	Order no.
200	Type SW 200 for large spreading areas	up to 5	10	80	10205
300	Type SW 300 for large spreading areas	up to 5	10	85	10206

Accessories for spreaders SW 200 and SW 300

Designation	Order no.
 <p>Spreading width limiter adjustable for SW 200 and SW 300</p>	10207
 <p>Cover for SW 200 and SW 300</p>	10210
 <p>Ball coupling 2" for SW 200 and SW 300</p>	10209

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)




Type SA 130

Mounted spreader SA 130

Capacity l	Version	Spreading width in m	Spreading steps	Weight approx. kg	Order no.
130	Type SA 130 for large spreading areas	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 from bowden cable: 1.6 m, weight: 2.5 kg	8290

Mounted spreader SA 260

- for large spreading areas
- base hopper made from painted steel
- hopper attachment made of plastic
- powder-coated steel tube frame
- 3-point attachment, category 0 + 1
- driven via power takeoff shaft (supplied as standard)






Type SA 260

Mounted spreader SA 260

Capacity l	Version	Spreading width in m	Spreading steps	Weight approx. kg	Order no.
260	Type SA 260 for large spreading areas	up to 5	10	54	10278

Accessories for mounted spreader SA 260

Designation	Order no.
 Spreading width limiter for SA 260	10279
 Cover vor SA 260	10280
 Filling sieve for SA 260	10281

Technical specifications subject to change.

Electric spreader [PG 8]

NEW

You'll comfortably meet your spreading obligations with the electric salt spreader ST-E 120. This will let you avoid accidents on public and private roads and squares. The electric salt spreader ST-E 120 is specially designed for use in winter.

It consists of a corrosion-proof stainless steel frame and a robust plastic container. The plastic container is equipped as standard with an additional geared agitator, a watertight flap lid and a loss-proof drain plug. The electronic control unit can

be conveniently operated from the driver's seat. The electric salt spreader ST-E 120 is also equipped with a powerful 12V geared motor for the spreading disc. The working range can be infinitely set from 1 to 8 m.

Electric spreader ST-E 120

- 12 V operation – ideal for vehicles that have little or no hydraulic power
- central control unit (incl. universal holder) – enables convenient control of the spreading range from the driver's seat
- comes as standard with agitator (supported on both sides) – loosens and improves the flow of salt, avoids the formation of bridges
- freely selectable rotational speed – ensures optimal dispensing
- flow quantity of the spreading material can be infinitely set manually
- spreading range of up to 8 m – so you can also de-ice large areas quickly
- frame made entirely from 2.5 mm stainless steel – for a long service life
- container made from rugged plastic – with level indicator, safety flap and loss-proof flap lid
- central ejector shovel setting – optimal adjustment of the spreading range



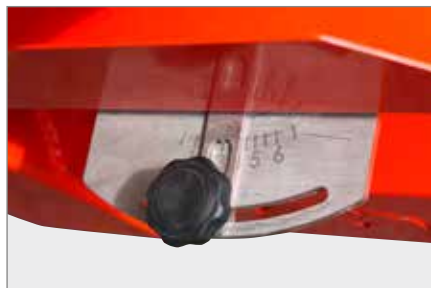
Electric spreader ST-E 120



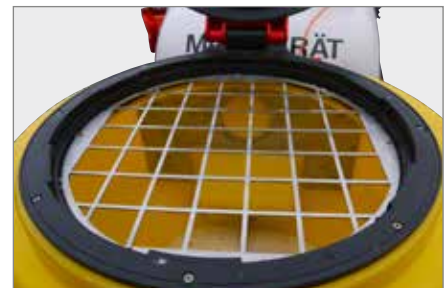
Mounting of the operating element on the windscreen



Spreader disc with central ejector shovel setting



Dispensing setting



Safety flap

Electric spreader ST-E 120

Designation	Capacity l	Spreading width in m	Dimensions cm (l x w x h)	Weight approx. kg	Order no.
Electric spreader ST-E 120 with 12 V geared motor and additional agitator, power consumption 12 V, 20 A	120	1 up to 8	68 x 68 x 106	48	10425

Technical specifications subject to change.

Electric spreader [PG 8]

NEW



Electric salt spreader ST-E 120 with tiltable universal holder, as accessory



Pick-up holder, as accessory



Universal holder, tiltable, as accessory
(Access to motor compartment possible)



Three-point holder, as accessory



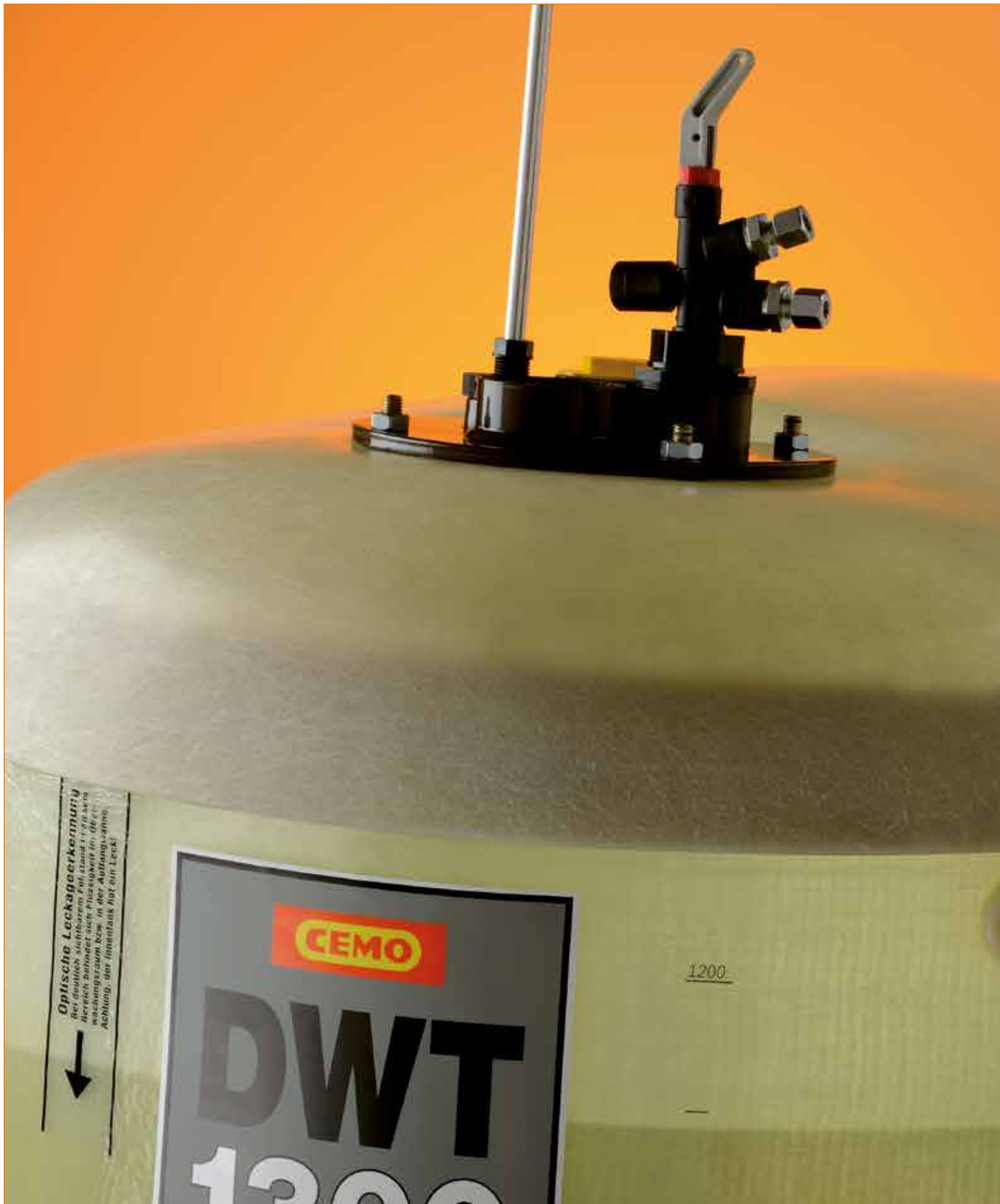
Lighting kit (LED),
as accessory

Accessories for Electric spreader ST-E 120

Designation	Order no.
Universal holder for forklift trucks and wheel/farm loader, height-adjustable, tiltable	10426
Three-point holder, Cat. I/II	10427
Pick-up holder, height adjustable, tiltable	10428
Lighting kit LED to StVZO, incl. rear light, indicators, etc.	10429

Technical specifications subject to change.

Heating oil storage and heat storage



Optische Leckageerkennung
Bei zusätzlich sichtbarem Ölstand vor dem
Bereich befindet sich ein Leckagekopf für die
Wasserschraube bzw. in der Auslassöffnung.
Achtung, der Hintertank hat ein Leck!



CEMO

DWWT
1200

1200



At the core of storing heat in the long term

When it comes to supporting the heating system, large storage capacities are required in order to increase the solar yield. Once-stored energy should remain stored as long as possible in order to use it effectively.



[www.cemo.de/
waerme-energiespeicher](http://www.cemo.de/waerme-energiespeicher)

GRP

The tried-and-tested material that is extremely light and exceedingly robust. In comparison to steel or PE plastics, GRP facilitates a whole range of other advantages that are of particular importance to solar heat storage tanks:

- temperature resistant up to 95 °C
- maintains dimensional stability for entire service life
- completely corrosion-proof
- permanently diffusion-resistant

CEMO expertise

For more than 50 years, CEMO has been one of the leading German manufacturers of GRP moulded parts and GRP containers for safe storage. The most recent innovation, the new KT heat storage tank, has been created on the basis of this extensive expertise. With this product, CEMO is providing the heating industry with a completely new solution for solar thermal applications.

Heat stability

The thermal conductivity of GRP is 200 times less than steel. With the use of thermal insulation made of high-quality polyester insulating webbing, excellent insulation figures are achieved.

The thermal loss through the wall of the tank is kept to a minimum, the ideal temperature stratification prevents hot and cold water from mixing. Together, this means that the stored heat can be stably retained on a long-term basis.

Tests conducted by ITW* confirm: **The rate of heat loss...**

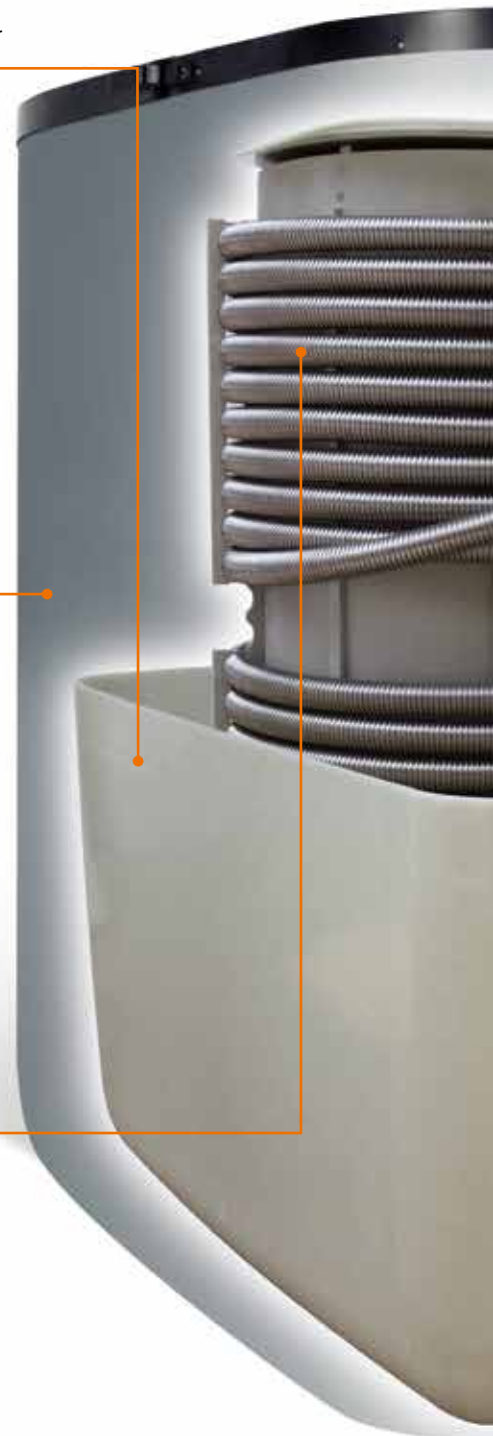
- for a 1000l GRP tank 3,39 W/K
(**18% better** than "Blue Angel" requirements)
- for a 1500l GRP tank 4,0 W/K
(**22% better** than "Blue Angel" requirements)



Heat exchangers

Depending on the use (combination of heating assistance and hot water or only hot water) and the system (drain back or conventional), the heat storage tanks are fitted with up to three heat exchangers made from high-quality stainless steel.

Due to a gap between these heat exchangers and the new "TET" (Thermo Exchange Tower) a flow develops similar to that in a chimney, and this results in an extremely high level of thermal transfer.



* Institute for Thermodynamics and Heat Technology
(Institut für Thermodynamik und Wärmetechnik - ITW)

The large volume in one single storage tank is the most important advantage of the non-pressurised CEMO KT heat storage tank. It can collect the maximum amount of solar energy and retain it for use over a longer period of time. The sun's energy is thus utilised more effectively. This makes highly-efficient heating assistance possible to a degree that was previously virtually impossible in existing buildings with conventional steel tanks.



Volume

The cube shape facilitates compact dimensions with a large volume of 1,000 and 1,500 litres. This results in the largest storage tank volume that still fits through conventional, standard basement doors. For the first time, the technically expedient volume for effective heating assistance can be integrated without problems, even in existing buildings. For door widths of less than 80cm, the tank can be transported in dismantled form and assembled in the boiler room.



Ready for installation

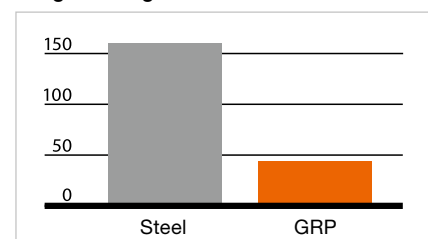
The heat storage tanks are ready for easy installation and

simple connection, even to existing heating systems with all conventional heating sources.

Weight

The use of GRP makes it possible to achieve a low weight between 44 kg (1,000l tank without heat exchanger) and 62 kg (1,500l tank without heat exchanger). Integrated carrying handles make transportation even easier.

Weight saving thanks to GRP



Comparison of 1,000 l heat storage tanks without heat exchanger

CEMO Heating oil storage

XXXL safety: altogether unbeatable.

In addition to the primary benefits of absolute inherent stability and impermeability to the smell of oil, we have also given our GRP safety tanks many other strong selling points.



✓ Transparent tank walls - fill level is visible at all times

✓ Lightweight construction for easy installation

✓ Large tank opening for easy tank cleaning

✓ Flame resistance

✓ Ideal dimensions for efficient use of space

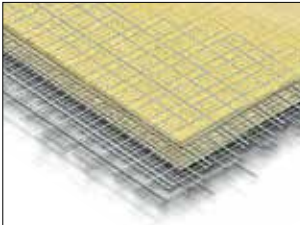
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Built-in overpressure relief valve *:

- Quick and easy to install
- Filling process is stopped immediately in the event of unacceptable overpressure
- Detection of any inadequacy in the tank system's venting

2



GRP safety tanks:

- 35-year tank warranty
- Impervious to the smell of oil throughout their service life
- 100% corrosion-resistant
- Inherently stable for their entire service life
- Fill levels are visible at all times

3



Variable R1 sealing surface elements:

- Never renovate by tiling or painting the floor
- Requirements with regard to clearances to floor inlets cease to apply
- Quick to install thanks to modular system elements
- Compatible with GRP tanks
- Includes connecting leads for the battery system
- Small spillages are easy to clean up



*Applies to battery tank systems

The only differences between our various products lie in their design – not in their quality

We make sure that even our smallest tanks are manufactured to the highest quality standard. We offer a wide product with everything from an entry-level tank to the very highest safety classification.

For further information please contact our specialist heating team.



For renovations and newbuilds: KT tank series

- ✓ cubic, compact design
- ✓ 700-litre tank for situations where space is especially tight
- ✓ affordable entry-level tank



For areas prone to flooding GT tank series

- ✓ feet make these tanks particularly suitable where the ground is uneven
- ✓ approved for installation in areas that are prone to flooding



For water protection areas: DWT tank series

- ✓ twin-walled safety tank, safety class 1 (with leakage indicator)
- ✓ no special requirements for ground compaction
- ✓ no wall clearances required when installed with a leakage indicator
- ✓ easy to move into position around corners due to its oval design

Installation conditions for CEMO safety tanks

CEMO safety tanks from the GT 35 and KT series may be installed outside of water-protected areas **without collection trays** if they are installed on a subsurface that is impervious to fluid with a 1 cm

upstand. This can be realised without difficulty e.g. using R1 sealing surface elements (see page 16). This regulation applies to individual tanks **and** battery systems.

For water-protected areas, we recommend using CEMO DWT safety tanks. You will thereby save on space and building work when compared to a brick collection room.

Installation space:	<ol style="list-style-type: none">1. Up to 5,000 litres can be stored in the furnace room, whereby a minimum distance to the furnace of 1.0 m must be observed (shorter distances are possible, if radiation protection is installed).2. For storage quantities in excess of 5,000 litres, a separate oil storage room is required.3. Structural prerequisites<ul style="list-style-type: none">- Floor that is impervious to liquids and is capable of bearing the load placed on it, with 1 cm upstand, e.g. R1 sealing surface elements- for the DWT no special requirements are placed on the impermeability of the ground. Further special requirements are not necessary.
Wall distances:	The wall distances must be at least 40 cm on one side and at least 5 cm on the other sides. For the DWT with leak display unit, no distance from the walls is required. The pipelines must be generally accessible.
Battery system:	Up to 5 tanks can be connected together in a battery system. CEMO battery systems are fitted with a non -communicating withdrawal system, meaning that connected tanks cannot withdraw oil from one another.
Permit:	The permits for installed tanks are valid for an unlimited period of time. All quality marks and building authority permits for containers are generally (regardless of the material) issued for 5 years and then generally extended for another 5 years.
Validity:	Due to the federalism reform, the state laws regulating hydraulic systems (VAwS) are to be devolved to federal law during 2014. Then, one ordinance for installations regulating how water-hazardous substances are dealt with (AwSV) shall apply across all federal states. CEMO safety tanks may continue to be installed outside of water-protected areas without collection trays.

Adherence to and compliance with the assembly and operating instructions (enclosed with the tank and accessories packages) guarantees the proper functioning of the entire tank system and is the prerequisite for the continuance of our guarantee.

Terms of sale and delivery

The general terms of sales and delivery for the plastics processing industry apply to all transactions. You will receive these terms when we confirm your order and they are also available at www.cemo.de "General sales terms".

Warranty

We provide a guarantee for material and processing defects within the limits of our warranty conditions in accordance with the legal provisions.

We provide an extended guarantee when used appropriately.

The precise conditions are given in the guarantee documents.

Our GRP diesel and lubricant tanks come with a 25-year warranty covering resistance of the material.

Excluded from the warranty provisions are fittings and accessories made from materials other than GRP.

Disposal of old electrical appliances

Our manufacturer registration number is DE 91438011. We are bound to comply with the German Electrical and Electronic Equipment Act (ElektroG) § 6 (2). You can take your old electrical equipment back to your local waste disposal site.

Alternatively, if you first ensure that it has been emptied of any liquids, you can send it free-of-charge to the address shown on the right. We will then dispose of it in the proper way on your behalf.

Small order surcharge

A surcharge of 10 € is added to any orders below 50 € net.

Order numbers

When ordering, please always use our full order numbers.

NOTE!

Goods may only be returned in their original packaging and RMA to the following address:

CEMO GmbH
Kappelweg 2
Industriegebiet Süd
D - 91625 Schnelldorf

If delivery involves a special journey beyond our established routes, then shipping costs will be agreed on an individual basis.
For steel tanks see page 27.

**** Technical specifications subject to change.**

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for safe storage

CEMO GmbH

In den Backenländern 5

D-71384 Weinstadt

Tel. +49 7151 9636-0

Fax +49 7151 9636-98

www.cemo.de

kontakt@cmo.de