HAZARDOUS WASTE SYSTEMS

PRODUCT RANGE
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SAFETY + SUSTAINABILITY = EFFICIENCY

AVOID DANGER AND SECURE VALUABLE MATERIALS – WHY SECURITY AND SUSTAINABILITY GO WELL TOGETHER

Dear users and those responsible for dangerous goods,

Security and sustainability are two sides of a coin. It is now widely understood that preventive investment in order to protect health and the environment is a lot less expensive than making good the subsequent long-term damage. Thanks to your suggestions and observations, we have broadened our range of products and services. A look at the information section in this catalogue will offer some important advice on the subject.

The catalogue also contains a brief overview of our solutions for secure packaging of flammable and water-endangering substances. We can offer containers for dangerous goods, lubricants and heating oil containers, mobile filling stations along with the appropriate services for them.

We are proud of the fact that the previous OTTO Dangerous Goods Catalogue has become an important reference book for the industry. The growing importance of sustainable, eco-friendly industries also led to it being reprinted several times. This new edition is now more clearly structured and totally brought up to date.

It includes reorganisation of the products into fields of application. Your feedback and suggestions have led to many alterations. You will be pleasantly surprised by the robust character of our latest products and solutions which fulfil all relevant requirements and regulations. And obviously, we take safety matters exceedingly seriously! We constantly develop and improve our product range to meet all legal regulations and always strive to manufacture our goods over and above the defined minimum requirements.

With over 75 years of experience we are the European market leader as specialists in hazardous waste and flammable recyclable waste materials. Under our new name, we are a member of a strong European group and totally equipped for the future. We are at your disposal at all times for your individual questions regarding safety for dangerous goods, please don’t hesitate to contact us!

Yours faithfully, Alexander Somborn
Divisional Manager
WHAT ARE DANGEROUS GOODS AND HOW SHOULD THEY BE HANDLED?

DEFINITION

"Dangerous goods are materials or items which, on account of their characteristics or their state during transport or storage, if incorrectly handled, can give rise to dangers for public safety and order, the environment and for the life and health of persons and animals."

REGULATIONS

- Regulations relating to traffic laws, which govern the area of transport by road, rail and sea
- Labour regulations connected with technical objectives to guarantee the safety of personnel
- Regulations to protect water, concerning protection of the environment and the safety of our drinking water
- Standardised containers and installations which already comply with these safety regulations through registration of the manufacturer, to a great extent save the user the expense for proof of suitability of the container, as required for individual installations.

TRANSPORT

The transport of dangerous goods is governed nationally by the
- German Regulation on the Carriage of Dangerous Goods by Road, Rail and Inland Waterways
and internationally by the
- ADR European Agreement Concerning the International Carriage of Dangerous Goods by Road
- RID Regulations Concerning the International Carriage of Dangerous Goods by Rail and the

STORAGE

The storage of dangerous materials is governed by the following regulations
- German Regulation on Health and Safety at Work
- German Technical Rules on Flammable Liquids
- German Water Management Act and
- German Regulation on Installations Handling Substances Hazardous to Water.

A distinction is made between passive and active storage. Passive storage is keeping flammable substances hazardous to water in tightly sealed containers, which were filled continuously (in one go) and are completely emptied (in one go) immediately after opening. During passive storage no action is taken on the containers. Active storage is keeping flammable substances hazardous to water in containers which are filled discontinuously at the location where they are stored, that is, over a lengthy period of time (collecting tanks), or discontinuously emptied (extraction tanks).
FIELDS OF APPLICATION

UNLIMITED POSSIBLE USES

With today's highly specialised processes in industry, on building sites or in landscape management, fuels, lubricants, heating oil or substances declared to be hazardous materials are frequently used. They can often become a hazard in certain surroundings or at certain temperatures. A distinction is made here between the provision of materials for processing and the accumulation of materials as residues.

To ensure your business runs smoothly both in practical and legal aspects, it is crucial that the enclosure used for hazardous materials, besides complying with the safety regulations should also have the necessary authorisations available. As the operator of the containers, you will, to a large extent, be relieved of the expense for proof of suitability of the products.

In view of the often very different and individual requirements of our customers, our production and marketing range is very diverse. Moreover, with our registration as an officially approved inspection centre, as well as providing excellent products, we can also offer a truly complete service.
SPECIAL WASTE CONTAINER
SOLID OR LIQUID: ALWAYS STORE AND TRANSPORT SPECIAL WASTE SAFELY.
LIQUID SUBSTANCES

ASF CONTAINER WITHOUT BOTTOM DISCHARGE
200 – 1000 litres

CONSTRUCTION
- steel, galvanized (standard)
  alternatively untreated inside, enamelled outside
- with transport cradle
- closed underbody
- stackable and movable by crane

TOP
- manhole cover ND 300
  (200 l version)
- manhole cover ND 400
  (445 – 1000 l version)
- 1/2” safety valve
  (445 – 1000 l version)
- optionally up to five additional tube fittings
- optionally optimised filling area
  see below

OPTIONAL:
OPTIMISED FILLING AREA

An ergonomic alternative with opening offset at the edge can be supplied optionally for all types of ASF containers

BENEFITS
- easier to fill as the filler hole can be reached more easily
- considerably less spillage when filling
- clean discharge using a fork lift truck thanks to offset opening
- compatible and stackable with all existing OTTO/ESE ASF containers

### ASF CONTAINER WITHOUT BOTTOM DISCHARGE

<table>
<thead>
<tr>
<th>Type</th>
<th>ASF 200 o. U.</th>
<th>ASF 445 o. U.</th>
<th>ASF 800 o. U.</th>
<th>ASF 1000 o. U.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Volume</strong></td>
<td>200 l</td>
<td>445 l</td>
<td>800 l</td>
<td>1000 l</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>70 kg</td>
<td>175 kg</td>
<td>210 kg</td>
<td>230 kg</td>
</tr>
<tr>
<td><strong>Dimensions L×B×H</strong></td>
<td>715×715×845 mm</td>
<td>1230×1030×840 mm</td>
<td>1230×1030×1220 mm</td>
<td>1230×1030×1400 mm</td>
</tr>
<tr>
<td><strong>Approvals</strong></td>
<td>D/BAM 4760/1A2W</td>
<td>D/BAM 0470/31A</td>
<td>D/BAM 0469/31A</td>
<td>D/BAM 0469/31A</td>
</tr>
</tbody>
</table>

Standard filling area
Hazardous Waste Systems – Product range
Special waste container – Liquid substances

ASF CONTAINER WITH BOTTOM DISCHARGE
445—1000 litres

CONSTRUCTION
- steel, galvanized (standard)
  alternatively untreated inside,
  enamelled outside
- with transport cradle
- stackable and movable by crane

TOP
- manhole cover ND 400
- 1/2" safety valve
- optionally up to five additional tube fittings
- optional optimised filling area
  see page 9

BOTTOM DRAIN
- spherical segment with 2" connection
- optional 1—2" shut-off fitting
- discharge fitting protected by surrounding sheets

<table>
<thead>
<tr>
<th>Type</th>
<th>ASF 445 m. U.</th>
<th>ASF 800 m. U.</th>
<th>ASF 1000 m. U.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>445 l</td>
<td>800 l</td>
<td>1000 l</td>
</tr>
<tr>
<td>Weight</td>
<td>200 kg</td>
<td>235 kg</td>
<td>255 kg</td>
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<tr>
<td>Dimensions L×B×H</td>
<td>1230×1030×1040 mm</td>
<td>1230×1030×1420 mm</td>
<td>1230×1030×1600 mm</td>
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<tr>
<td>Approvals</td>
<td>D/BAM 0470/31A</td>
<td>D/BAM 0469/31A</td>
<td>D/BAM 0469/31A</td>
</tr>
</tbody>
</table>
ASF CONTAINER DOUBLE WALLED
100 – 1000 litres

CONSTRUCTION
- double walled
- steel, galvanized (standard)
  alternatively untreated inside, enamelled outside
- with transport cradle
- closed underbody
- stackable and movable by crane
- leakage monitoring with sight glass in the double wall and gauging rod

TOP
- manhole cover ND
  (100 l and 280 l version)
- manhole cover ND 400
  (445 l – 1000 l version)
- 1/2” safety valve
  (280 – 1000 l version)
- filler hole with filler funnel and
tother tube ND 80 and removable strainer
  (100 – 445 l version)
- optionally with up to five additional tube fittings
- optionally optimised filling area
  see page 9

<table>
<thead>
<tr>
<th>Type</th>
<th>ASF 100 DW</th>
<th>ASF 280 DW</th>
<th>ASF 445 DW</th>
<th>ASF 800 DW</th>
<th>ASF 1000 DW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>100 l</td>
<td>280 l</td>
<td>445 l</td>
<td>800 l</td>
<td>1000 l</td>
</tr>
<tr>
<td>Weight</td>
<td>65 kg</td>
<td>120 kg</td>
<td>220 kg</td>
<td>285 kg</td>
<td>310 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>570×470×700 mm</td>
<td>750×605×1050 mm</td>
<td>1230×1030×840 mm</td>
<td>1230×1030×1220 mm</td>
<td>1230×1030×1400 mm</td>
</tr>
<tr>
<td>Approvals</td>
<td>D/BAM 9440/1A2</td>
<td>D/BAM 6480/31A</td>
<td>D/BAM 0471/31A</td>
<td>D/BAM 0472/31A</td>
<td>D/BAM 0472/31A DIBt-Z-38.12-244</td>
</tr>
</tbody>
</table>
## SUT CONTAINER WITH COLLECTING TROUGH
### 445 litres

**CONSTRUCTION**
- steel, galvanized
- with collection pan
- closed underbody
- stackable and movable by crane
- equipped with hinged lid

**TOP**
- manhole cover ND 300
- 1/2" safety valve
- filler hole ND 300 with filler funnel and filler tube ND 80 and removable strainer

<table>
<thead>
<tr>
<th>Type</th>
<th>SUT 445 with collecting trough 8 × 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>445 l</td>
</tr>
<tr>
<td>Weight</td>
<td>230 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>1208×840×935 mm</td>
</tr>
<tr>
<td>Approvals</td>
<td>D/BAM 0173/31A</td>
</tr>
</tbody>
</table>

## OIL COLLECTION CONTAINER
### 800 litres

**CONSTRUCTION**
- double walled
- steel, galvanized
- plastic lid
- leakage monitoring by gauging rod
- with venting tube, suction connection piece and level indicator

<table>
<thead>
<tr>
<th>Type</th>
<th>ÖSB 800 with venting tube</th>
<th>ÖSB 800 without venting tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>800 l</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>210 kg</td>
<td></td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>1280×1060×2500 mm</td>
<td>1280×1060×1200 mm</td>
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<td>Approvals</td>
<td>DIBt-Z-38.11-227</td>
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</table>
SOLID MATERIALS

ASP CONTAINER
120 – 800 litres

CONSTRUCTION
- steel, galvanized
- filler opening = container cross section
- the lid opens using hinge springs and is gravity supported; it stops in two opening angles (70° and 270°; 600 – 800 l version)
- all round only with 2 locks at the front (600 – 800 l version)
- optionally with rotary locks and/or with additional lateral locks
- stackable and movable by crane

<table>
<thead>
<tr>
<th>Type</th>
<th>ASP 120</th>
<th>ASP 240</th>
<th>ASP 600</th>
<th>ASP 800</th>
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<tbody>
<tr>
<td>Volume</td>
<td>120 l</td>
<td>240 l</td>
<td>600 l</td>
<td>800 l</td>
</tr>
<tr>
<td>Weight</td>
<td>54 kg</td>
<td>80 kg</td>
<td>175 kg</td>
<td>190 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>715×715×580 mm</td>
<td>715×715×845 mm</td>
<td>1200×1000×1023 mm</td>
<td>1200×1000×1212 mm</td>
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<tr>
<td>Approvals</td>
<td>D/BAM 0460/11A 9665/4A2</td>
<td>D/BAM 0460/11A 9665/4A2</td>
<td>D/BAM 12229/11A</td>
<td>D/BAM 12229/11A</td>
</tr>
</tbody>
</table>
ASP AEROSOL CONTAINER
800 litres

CONSTRUCTION
- steel, galvanized
- filler opening = container cross section
- the lid opens using hinge springs gravity supported and it stops in two opening angles (70° and 270°)
- all round only with 2 locks at the front
- stackable and movable by crane with all current ASP models
- movable by crane
- with ventilation openings all round
- container liquid-tight to height of 100 mm

<table>
<thead>
<tr>
<th>Type</th>
<th>ASP 800-Aerosol</th>
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<tbody>
<tr>
<td>Volume</td>
<td>800 l</td>
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<tr>
<td>Weight</td>
<td>190 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>1200 × 1000 × 1212 mm</td>
</tr>
<tr>
<td>Approvals</td>
<td>D/BAM 12938/50A</td>
</tr>
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</table>

ASP OFFSHORE CONTAINER
800 litres

CONSTRUCTION
- container: steel, galvanized
- frame: steel, galvanized (EN 12079)
- filler opening = container cross section
- the lid opens using hinge springs and is gravity supported; it stops in two opening angles (70° and 270°)
- all round only with 2 locks at the front
- stackable and movable by crane
- individual approval by Germanischer Lloyd EN 12079

<table>
<thead>
<tr>
<th>Type</th>
<th>ASP 800-OFFSHORE</th>
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<tbody>
<tr>
<td>Volume</td>
<td>800 l</td>
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<tr>
<td>Weight</td>
<td>440 kg</td>
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<tr>
<td>Dimensions L×B×H</td>
<td>1000 × 200 × 1317 mm</td>
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<td>Approvals</td>
<td>D/BAM 12590/11A</td>
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<td></td>
<td>GL-EN12079</td>
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</tbody>
</table>
FB CONTAINER
200 litres

CONSTRUCTION
- steel, galvanized
- filler opening = container cross section
- lid closes by means of
  2 spring-type closures
- portable, fitted with 2 wheels
- pickup collar for comb bin lifting

<table>
<thead>
<tr>
<th>Type</th>
<th>FB 200</th>
</tr>
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<tbody>
<tr>
<td>Volume</td>
<td>200 l</td>
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<tr>
<td>Weight</td>
<td>45 kg</td>
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<td>Dimensions L×B×H</td>
<td>710×625×1055 mm</td>
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<td>Approvals</td>
<td>D/BAM 4545/1A2</td>
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</table>

FLUORESCENT TUBE CONTAINER

CONSTRUCTION
- steel, galvanized
- container with door on the end face and additional hinged lid on top

<table>
<thead>
<tr>
<th>Type</th>
<th>LSTRB I</th>
<th>LSTRB II</th>
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</thead>
<tbody>
<tr>
<td>Weight</td>
<td>120 kg</td>
<td>145 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>1670×750×1000 mm</td>
<td>2070x750x1000 mm</td>
</tr>
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</table>
### Hazardous Waste Systems – Product range

**Special waste container – Solid materials**

#### USED BATTERY CONTAINER
**600 litres**

**CONSTRUCTION**
- steel, galvanized
- container inside with PE (protective earth) inlet 4 mm thick
- enamelled lid
- filler opening = container cross section
- the lid opens using hinge springs and is gravity supported; it stops in two opening angles (70° and 270°)
- all round only with 2 closures at the front
- stackable and movable by crane

<table>
<thead>
<tr>
<th>Type</th>
<th>ATB 600</th>
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<tbody>
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<td>Volume</td>
<td>600 l</td>
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<tr>
<td>Weight</td>
<td>195 kg</td>
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<tr>
<td>Dimensions L×B×H</td>
<td>1200×1000×1023 mm</td>
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<tr>
<td>Approvals</td>
<td>D/BAM 12229/11A</td>
</tr>
</tbody>
</table>

#### BULK BOX FOR USED BATTERIES
**610 litres**

**CONSTRUCTION**
- HDPE – 1st choice material
- fitted with three runners
- side walls and base closed

**ACCESSORIES**
- hooded lid

<table>
<thead>
<tr>
<th>Type</th>
<th>Bulk box for used batteries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>610 l</td>
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<tr>
<td>Weight</td>
<td>40 kg</td>
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<tr>
<td>Dimensions L×B×H</td>
<td>1200×1000×760 mm</td>
</tr>
</tbody>
</table>
FUEL CONTAINER
FUEL IS A VALUABLE ASSET! PROTECT YOUR INVESTMENT AND YOUR ABILITY TO WORK OUTDOORS AGAINST THIEVES.
MOBILE DIESEL FILLING STATIONS

MTA DOUBLE WALLED
NO-ONE WILL GET AWAY WITH IT!
1000 litres

CONSTRUCTION
- steel, galvanized
- double walled
- UN approval for transporting diesel fuel according to ADR/RID
- no time limit on use
- lockable, anti-theft lid
- robust, stackable design
- no ADR driving licence and special signage on the vehicle are required

EQUIPMENT
- electric pump: 12 or 24 or 220 V, optionally with hand pump
- nozzle with automatic shutoff on release and 6 m hose
- digital counting device
- limit indicator
- filler hole ND 50 with tanker coupling VK 50 and MB 50
- level indicator
- automatic ventilation by safety valve
- venting device by means of ball valve
- cleaning opening NW 300
- document pocket in the lid
- nozzle holder can be unscrewed

<table>
<thead>
<tr>
<th>Type</th>
<th>MTA 1000 DW</th>
</tr>
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<tbody>
<tr>
<td>Volume</td>
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<tr>
<td>Weight</td>
<td>430 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>1500×1200×1190 mm</td>
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<tr>
<td>Approvals</td>
<td>D/BAM 7298/31A</td>
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</tbody>
</table>
Hazardous Waste Systems – Product range
Fuel container – Mobile Diesel filling stations

MDT DOUBLE WALLED
RELIABLE QUALITY
445–1000 litres

CONSTRUCTION
- steel, galvanized
- double walled
- UN approval for transporting
diesel fuel according to ADR/RID
- no time limit on use
- robust, stackable design
- no ADR driving licence and special
  signage on the vehicle are required

EQUIPMENT
- electric pump: 12 or 24 or 230 V,
on optionally with hand pump
- nozzle with automatic shutoff on release
  and 6 m hose
- digital counting device
- limit indicator
- filler hole ND 50 with tanker coupling
  VK 50 and MB 50
- level indicator
- ball valve for manual ventilation
- cleaning opening NW 400

<table>
<thead>
<tr>
<th>Type</th>
<th>MDT 445 DW</th>
<th>MDT 850 DW</th>
<th>MDT 1000 DW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>445 l</td>
<td>850 l</td>
<td>1000 l</td>
</tr>
<tr>
<td>Weight</td>
<td>290 kg</td>
<td>350 kg</td>
<td>380 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1230×1030×960 mm</td>
<td>1230×1030×1400 mm</td>
<td>1230×1030×1520 mm</td>
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<td>Approvals</td>
<td>D/BAM 0465/31A</td>
<td>D/BAM 0465/31A</td>
<td>D/BAM 0465/31A</td>
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</table>
MTA MOBILE P PICK-UP FILLING STATION
YOUR DECLARATION OF INDEPENDENCE
450 litres

CONSTRUCTION
- steel, galvanized
- UN approval for transporting diesel fuel according to ADR/RID
- no time limit on use
- anti-theft lockable lid
- robust design
- no ADR driving licence and special signage on the vehicle are required

EQUIPMENT
- electric pump: 12 or 24 or 230 V, optionally with hand pump
- nozzle with automatic shutoff on release and 6 m hose
- digital counting device
- separate stowage space
- cleaning opening NW 150
- filler hole ND 50 with tanker coupling VK 50 and MB 50
- level indicator
- ventilation by safety valve
- venting device by means of ball valve

<table>
<thead>
<tr>
<th>Type</th>
<th>MTA-P 450</th>
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</thead>
<tbody>
<tr>
<td>Volume</td>
<td>450 l</td>
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<tr>
<td>Weight</td>
<td>185 kg</td>
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<tr>
<td>Dimensions LxBxH</td>
<td>1000x1000x920 mm</td>
</tr>
<tr>
<td>Approvals</td>
<td>D/BAM 12500/31A</td>
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</table>
FUEL SUPPLY TANKS

FUEL SUPPLY TANK
SLIMLINE
750 – 2000 litres

CONSTRUCTION
- double walled
- steel, galvanized
- with transport cradle
- closed underbody
- stackable and movable by crane
- leakage monitoring by sight glass
  in the double jacket and gauging rod
- lockable protective cover

EQUIPMENT
- cleaning opening NW 300
- automatic ventilation by
  1” safety valve
- limit indicator
- 3/4” ball valve for venting
- filler hole ND 50 with tanker coupling
  VK 50 and MB 50
- connection 3/4”, 1” and 2”
- level indicator

<table>
<thead>
<tr>
<th>Type</th>
<th>ASF 750 DW-EKC-</th>
<th>ASF 1000 -EKC-</th>
<th>ASF 2000 -EKC-</th>
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<tbody>
<tr>
<td>Volume</td>
<td>750 l</td>
<td>1000 l</td>
<td>2000 l</td>
</tr>
<tr>
<td>Weight</td>
<td>350 kg</td>
<td>390 kg</td>
<td>690 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>700×1200×1600 mm</td>
<td>700×1200×1970 mm</td>
<td>700×2320×1970 mm</td>
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<td>Approvals</td>
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<td>D/BAM 12341/31A</td>
<td>D/BAM 12342/31A</td>
</tr>
</tbody>
</table>
LUBRICANT CONTAINER
PUT YOUR LOGISTICS ON A DIET:
JUST ONE LUBRICANT CONTAINER FOR TRANSPORT, STORAGE AND EXTRACTION!
LUBRICANT CONTAINER WITHOUT BOTTOM DISCHARGE
1000 litres

CONSTRUCTION
- steel, galvanized (standard)
  alternatively untreated inside,
  enamelled outside
- with transport cradle
- closed underbody
- stackable and movable by crane

TOP
- manhole cover, ND 400, lockable
- automatic ventilation
- 1" take-off line
- level indicator

ACCESSORIES
- detachable pump bridge
- extraction pump with hose,
  nozzle with automatic shutoff on release
  and digital counting device
- drip-free rapid action coupling

<table>
<thead>
<tr>
<th>Type</th>
<th>ASF 1000 o. U. -SC-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>1000 l</td>
</tr>
<tr>
<td>Weight</td>
<td>230 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>1230×1030×1400 mm</td>
</tr>
<tr>
<td>Approvals</td>
<td>DI/BAM 0469/31A</td>
</tr>
</tbody>
</table>
Hazardous Waste Systems – Product range
Lubricant container

LUBRICANT CONTAINER WITH BOTTOM DISCHARGE
1000 litres

CONSTRUCTION
- steel, galvanized (standard)
  alternatively untreated inside,
  enamelled outside
- with transport cradle
- stackable and movable by crane

TOP
- manhole cover, ND 400, lockable
- 2” safety valve
- optionally with up to five
  additional tube fittings

BOTTOM DRAIN
- spherical segment with 2” connection
- optional 1 – 2” shut-off fitting
- discharge fitting protected
  by surrounding sheets

<table>
<thead>
<tr>
<th>Type</th>
<th>ASF 1000 m. U. -SC-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>1000 l</td>
</tr>
<tr>
<td>Weight</td>
<td>255 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>1230×1030×1600 mm</td>
</tr>
<tr>
<td>Approvals</td>
<td>D/BAM 0469/31A</td>
</tr>
</tbody>
</table>

DRUM PACKAGING
200 litres

CONSTRUCTION
- steel, galvanized
- filler opening = container cross section

EQUIPMENT
- lid closes by means of two
  spring-type closures
- drum secured by diagonal rod

<table>
<thead>
<tr>
<th>Type</th>
<th>Drum Packaging TLB 200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>200 l</td>
</tr>
<tr>
<td>Weight</td>
<td>95 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>660×660×1180 mm</td>
</tr>
</tbody>
</table>
ONE FOR EVERYTHING: TRANSPORT, STORAGE AND EXTRACTION!

DURABLE IS BETTER

1. MULTI-FUNCTIONAL
Transport, storage and extraction with one product.

2. SIMPLIFIED STORAGE
No collection pan needed; fewer steps in procedures through optimum handling.

3. FLEXIBLE EXTRACTION
Draw off lubricant where and how you wish, quickly and safely indoors or outdoors, directly on site.

4. EXTREMELY DURABLE
Robust and compact: Integrated Fluid Logistics for smooth-running procedures.

5. REDUCE ADDITIONAL COSTS!
By using ESE special containers you reduce your additional costs compared to traditional products.

6. START SAVING!
Besides the purchase we can also organise financing for you on favourable terms, contact us!

INTEGRATED FLUID LOGISTICS
# APPLICABLE LAWS

## TRANSPORT

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GGVSEb</td>
<td>National German Regulation on the Carriage of Dangerous Goods by Road, Rail and Inland Waterway</td>
</tr>
<tr>
<td>ADR</td>
<td>International Agreement Concerning the Carriage of Dangerous Goods by Road</td>
</tr>
<tr>
<td>RID</td>
<td>International Agreement Concerning the Carriage of Dangerous Goods by Rail</td>
</tr>
<tr>
<td>IMDG-Code</td>
<td>International Agreement Concerning the Carriage of Dangerous Goods by Vessels on Water</td>
</tr>
</tbody>
</table>

## STORAGE

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AwSV</td>
<td>New German Regulation on Installations for the Handling of Substances Hazardous to Water</td>
</tr>
<tr>
<td>WHG</td>
<td>German Water Resources Act</td>
</tr>
<tr>
<td>VAwS</td>
<td>German Regulation on Installations for the Handling of Substances Hazardous to Water</td>
</tr>
<tr>
<td>VUmwS</td>
<td>International Regulations on Installations for the Handling of Substances Hazardous to Water</td>
</tr>
<tr>
<td>WGK</td>
<td>German Water Pollution Category</td>
</tr>
<tr>
<td>BetrSichV</td>
<td>German Regulation on Health and Safety at Work</td>
</tr>
<tr>
<td>TRBS</td>
<td>Technical Rules for Operational Safety</td>
</tr>
<tr>
<td>TRbF</td>
<td>German Technical Rules for Flammable Liquids</td>
</tr>
</tbody>
</table>

## EXPLANATIONS

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBC</td>
<td>Intermediate Bulk Container (Large Packaging)</td>
</tr>
<tr>
<td>WGK</td>
<td>German Water Pollution Category</td>
</tr>
<tr>
<td>WGK 1</td>
<td>Water Pollution Category 1 causing low water pollution</td>
</tr>
<tr>
<td>WGK 2</td>
<td>Water Pollution Category 2 causing water pollution</td>
</tr>
<tr>
<td>WGK 3</td>
<td>Water Pollution Category 3 causing severe water pollution</td>
</tr>
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</table>
HEATING OIL CONTAINER
WE WARMLY RECOMMEND: HEATING OIL „TO GO” SO THAT FROSTY DAYS WON’T BE FRUSTRATING DAYS.
DOUBLE WALLED ASF HEATING OIL CONTAINER
480 – 2000 litres

CONSTRUCTION
- double walled
- steel, galvanized
- with transport cradle
- closed underbody
- stackable and movable by crane
- leakage monitoring by sight glass in the double wall and gauging rod

TOP
- manhole cover ND 400
- 1/2" vent valve
- ventilation by means of R1" ball valve and check valve
- level indicator
- 2 x R 2" nipples and cap
- optionally with suction line welded on
- individual choice of tube fittings possible

ACCESSORIES
- lockable protective cover

<table>
<thead>
<tr>
<th>Type</th>
<th>ASF 480 DW -HC-</th>
<th>ASF 1000 DW -HC-</th>
<th>ASF 2000 DW -HC-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume (l)</td>
<td>480 l</td>
<td>1000 l</td>
<td>2000 l</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>140 kg</td>
<td>310 kg</td>
<td>500 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H (mm)</td>
<td>810×740×1348</td>
<td>1230×1030×1400</td>
<td>1200×1600×1600</td>
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<tr>
<td>Approvals</td>
<td>D/BAM 13026/31A</td>
<td>D/BAM 0472/31A</td>
<td>D/BAM 12525/31A</td>
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<tr>
<td></td>
<td>DIBI-Z-38.12-244</td>
<td></td>
<td>DIBI-Z-38.12-244</td>
</tr>
</tbody>
</table>
HEATING OIL CONTAINER SUT
1000 litres

CONSTRUCTION
- inner tank and collection pan in steel, galvanized
- collection pan equipped with hinged lid
- closed underbody
- stackable and movable by crane

TOP
- manhole cover NW 400
- 1/2" vent valve
- R 3/4" ball valve on tube bend for ventilation
- 2 x R 2" nipples and cap
- 1 x R 2 1/2" nipple and cap
- level indicator

<table>
<thead>
<tr>
<th>Type</th>
<th>SUT 1000 -HC-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>1000 l</td>
</tr>
<tr>
<td>Weight</td>
<td>360 kg</td>
</tr>
<tr>
<td>Dimensions L×B×H</td>
<td>1090×1208×1370 mm</td>
</tr>
<tr>
<td>Approvals</td>
<td>D/BAM 12031/31A</td>
</tr>
</tbody>
</table>
SERVICE / INSPECTION CENTRE

Hazardous Waste Systems – Product range
Service / Inspection centre
CUT UP OR IN ONE PIECE: SELECT A SERVICE PACKAGE.
WE WILL ENSURE THAT YOUR CONTAINERS WON'T MISS ANY INSPECTION DEADLINE.

OFFICIAL APPROVED INSPECTION CENTRE

ESE GmbH - Hazardous Waste Systems is the first manufacturer of hazardous waste containers since November 1998 to be registered as an officially approved inspection centre according to BAM-GGR 002. So we can also offer you the official inspection service (ADR/RID inspection) for hazardous waste containers at your Company. Registration is independent of the manufacturer, so we can offer this service not only for ESE products but for all brands.

INSPECTION

1ST INTERNAL RETEST

- Point in time:
  2.5 years after initial registration (manufacture) or 2.5 years after an inspection.
- Admissible test personnel:
  Qualified person or employee
- The test comprises:
  External visual inspection, testing the user equipment, tightness test
- References:
  Filing the test report, date of test and test stamp on the type plate (for liquid containers)

2ND INSPECTION, OFFICIAL

- Point in time:
  5 years after initial registration (manufacture) or last inspection
- Admissible test entity:
  Inspection centre with expert knowledge, e.g. the TÜV Technical Inspection Agency, Dekra or ESE
- The test comprises:
  Compliance with the model, visual inspection, tightness test,
- References:
  Filing the test report (for 10 years), date of test and test stamp on the type plate.
ADVICE

We are at your disposal for all matters concerning hazardous material enclosures. It is most important to choose a container to meet your needs and comply with legislation, and to fully match for your requirements. We automatically take into account the latest amendments and additions to the relevant standards and regulations. This ensures everything is dealt with correctly and safely.

When it comes to hazardous waste container management, you will find we have competent partners who can relieve you of individual tasks or take on hazardous waste management. Through close cooperation with other divisions of the ESE Group we can also offer tailor-made solutions adapted for logistics, data acquisition and selection of waste containers for other types of waste.

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WASTE REMOVAL SYSTEMS  HAZARDOUS WASTE SYSTEMS  PUBLIC FURNISHING  SERVICES

The hazardous waste systems range of services:

- Special waste container
- Fuel container
- Lubricant container
- Heating oil container
- Service / Inspection centre

You can find current product data sheets in PDF format, advice on new environmental laws, examples of use and more extensive information at www.ese.com/en/ese-world/products/hazardous-waste-systems/ Photograph this QR code with your smartphone with QR reader and you will access our Homepage with up-to-date information.