

HAZARDOUS WASTE SYSTEMS

PRODUCT RANGE





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SAFETY + SUSTAINABILITY = EFFICIENCY

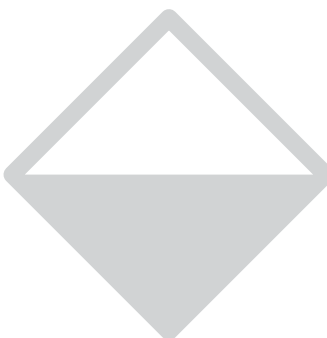
AVOID DANGER AND SECURE VALUABLE MATERIALS – WHY SECURITY AND SUSTAINABILITY GO WELL TOGETHER

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!

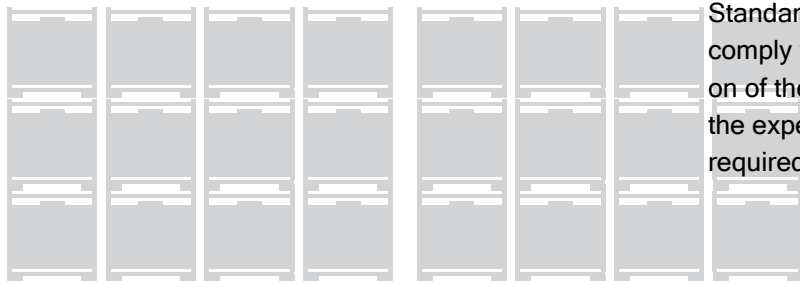
Yours faithfully, Alexander Somborn
Divisional Manager



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

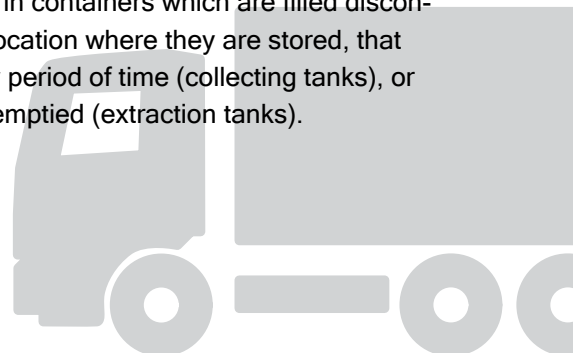
- German Regulation on the Carriage of Dangerous Goods by Road, Rail and Inland Waterways and internationally by the
- ADR European Agreement Concerning the International Carriage of Dangerous Goods by Road
- RID Regulations Concerning the International Carriage of Dangerous Goods by Rail and the
- IMDG Code INTERNATIONAL MARITIME DANGEROUS GOODS Code.

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



Standard filling area




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

Type	ASF 200 o. U.	ASF 445 o. U.	ASF 800 o. U.	ASF 1000 o. U.
 Volume	200 l	445 l	800 l	1000 l
 Weight	70 kg	175 kg	210 kg	230 kg
 Dimensions L×B×H	715×715×845 mm	1230×1030×840 mm 1200×1000×840 mm	1230×1030×1220 mm 1200×1000×1220 mm	1230×1030×1400 mm 1200×1000×1400 mm
Approvals	D/BAM 4760/1A2W	D/BAM 0470/31A	D/BAM 0469/31A	D/BAM 0469/31A



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



Type	ASF 445 m. U.	ASF 800 m. U.	ASF 1000 m. U.
Volume	445 l	800 l	1000 l
Weight	200 kg	235 kg	255 kg
Dimensions L×B×H	1230×1030×1040 mm	1230×1030×1420 mm	1230×1030×1600 mm
Approvals	D/BAM 0470/31A	D/BAM 0469/31A	D/BAM 0469/31A



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
filler 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



ASF 800 DW






ASF 800 DW and ASF 1000 DW



ASF 280 DW



ASF 280 DW

Type	ASF 100 DW	ASF 280 DW	ASF 445 DW	ASF 800 DW	ASF 1000 DW
 Volume	100 l	280 l	445 l	800 l	1000 l
 Weight	65 kg	120 kg	220 kg	285 kg	310 kg
 Dimensions L×B×H	570×470×700 mm	750×605×1050 mm	1230×1030×840 mm	1230×1030×1220 mm	1230×1030×1400 mm
Approvals	D/BAM 9440/1A2	D/BAM 6480/31A	D/BAM 0471/31A	D/BAM 0472/31A	D/BAM 0472/31A DIBt-Z-38.12-244



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






Type	SUT 445 with collecting trough 8×12	
 Volume	445 l	
 Weight	230 kg	
 Dimensions L×B×H	1208×840×935 mm	
Approvals	D/BAM 0173/31A	

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



Type	ÖSB 800 with venting tube	ÖSB 800 without venting tube
 Volume	800 l	
 Weight	210 kg	
 Dimensions L×B×H	1280×1060×2500 mm	1280×1060×1200 mm
Approvals	DIBt-Z-38.11-227	



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



ASP 800






ASP 240



ASP 600 and 800



ASP 600 and 800 (standard closure)

Type	ASP 120	ASP 240	ASP 600	ASP 800
 Volume	120 l	240 l	600 l	800 l
 Weight	54 kg	80 kg	175 kg	190 kg
 Dimensions L×B×H	715×715×580 mm	715×715×845 mm	1200×1000×1023 mm	1200×1000×1212 mm
Approvals	D/BAM 0460/11A 9665/4A2	D/BAM 0460/11A 9665/4A2	D/BAM 12229/11A D/BAM 4448/4A1	D/BAM 12229/11A D/BAM 4447/4A1






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



Type	ASP 800 - Aerosol
 Volume	800 l
 Weight	190 kg
 Dimensions L×B×H	1200 × 1000 × 1212 mm
Approvals	D/BAM 12938/50A



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



Type	ASP 800 - OFFSHORE
 Volume	800 l
 Weight	440 kg
 Dimensions L×B×H	1000 × 200 × 1317 mm
Approvals	D/BAM 12590/11A GL-EN12079






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





Type	FB 200
 Volume	200 l
 Weight	45 kg
 Dimensions L×B×H	710×625×1055 mm
Approvals	D/BAM 4545/1A2

FLUORESCENT TUBE CONTAINER

CONSTRUCTION

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



Type	LSTRB I	LSTRB II
 Weight	120 kg	145 kg
 Dimensions L×B×H	1670 × 750 × 1000 mm	2070x750x1000 mm






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



Type	ATB 600
 Volume	600 l
 Weight	195 kg
 Dimensions L×B×H	1200×1000×1023 mm
Approvals	D/BAM 12229/11A

BULK BOX FOR USED BATTERIES

610 litres




CONSTRUCTION

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

ACCESSORIES

- hooded lid



Type	Bulk box for used batteries
 Volume	610 l
 Weight	40 kg
 Dimensions L×B×H	1200×1000×760 mm



FUEL CONTAINER

FUEL CONTAINER





FUEL IS A VALUABLE ASSET! PROTECT YOUR INVESTMENT AND
YOUR ABILITY TO WORK OUTDOORS AGAINST THIEVES.

FUEL CONTAINER





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



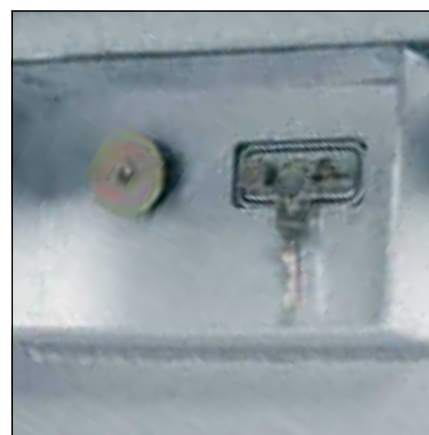
FUEL CONTAINER






Top



Document pocket



Internal block lock

Type		MTA 1000 DW
	Volume	1000 l
	Weight	430 kg
	Dimensions L×B×H	1500×1200×1190 mm
Approvals		D/BAM 7298/31A



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, 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



MDT 1000 DW



Top



MDT 445 DW



Limit indicator

Type	MDT 445 DW	MDT 850 DW	MDT 1000 DW
Volume	445 l	850 l	1000 l
Weight	290 kg	350 kg	380 kg
Dimensions L×B×H	1230×1030×960 mm	1230×1030×1400 mm	1230×1030×1520 mm
Approvals	D/BAM 0465/31A	D/BAM 0465/31A	D/BAM 0465/31A



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






FUEL CONTAINER



Top with stowage space



Type	MTA-P 450
 Volume	450 l
 Weight	185 kg
 Dimensions L×B×H	1000×1000×920 mm
Approvals	D/BAM 12500/31A



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






Top



Step tread



Type	ASF 750 DW -EKC-	ASF 1000 -EKC-	ASF 2000 -EKC-
 Volume	750 l	1000 l	2000 l
 Weight	350 kg	390 kg	690 kg
 Dimensions L×B×H	700×1200×1600 mm	700×1200×1970 mm	700×2320×1970 mm
Approvals	D/BAM 12341/31A	D/BAM 12341/31A	D/BAM 12342/31A



LUBRICANT CONTAINER



LUBRICANT CONTAINER



PUT YOUR LOGISTICS ON A DIET:
JUST ONE LUBRICANT CONTAINER FOR TRANSPORT, STORAGE AND EXTRACTION!



LUBRICANT CONTAINER



**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



LUBRICANT CONTAINER






Top



Drip-free rapid action coupling



Extraction pump, nozzle and
digital counting device

Type	ASF 1000 o. U. -SC-	
 Volume	1000 l	
 Weight	230 kg	
 Dimensions L×B×H	1230×1030×1400 mm	
Approvals	D/BAM 0469/31A	



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



Type	ASF 1000 m. U. -SC-	
 Volume	1000 l	
 Weight	255 kg	
 Dimensions L×B×H	1230×1030×1600 mm	
Approvals	D/BAM 0469/31A	

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



Type	Drum Packaging TLB 200	
 Volume	200 l	
 Weight	95 kg	
 Dimensions L×B×H	660×660×1180 mm	



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

GGVSEB	National German Regulation on the Carriage of Dangerous Goods by Road, Rail and Inland Waterway
ADR	International Agreement Concerning the Carriage of Dangerous Goods by Road
RID	International Agreement Concerning the Carriage of Dangerous Goods by Rail
IMDG-Code	International Agreement Concerning the Carriage of Dangerous Goods by Vessels on Water

STORAGE

AwSV	New German Regulation on Installations for the Handling of Substances Hazardous to Water
WHG	German Water Resources Act
VAwS	German Regulation on Installations for the Handling of Substances Hazardous to Water
VUmwS	International Regulations on Installations for the Handling of Substances Hazardous to Water
WGK	German Water Pollution Category
BetrSichV	German Regulation on Health and Safety at Work
TRBS	Technical Rules for Operational Safety
TRbF	German Technical Rules for Flammable Liquids

EXPLANATIONS

IBC	Intermediate Bulk Container (Large Packaging)
WGK	German Water Pollution Category
WGK 1	Water Pollution Category 1 causing low water pollution
WGK 2	Water Pollution Category 2 causing water pollution
WGK 3	Water Pollution Category 3 causing severe water pollution



HEATING OIL CONTAINER



HEATING OIL CONTAINER



WE WARMLY RECOMMEND:
HEATING OIL „TO GO“ SO THAT FROSTY DAYS WON'T BE FRUSTRATING DAYS.



HEATING OIL CONTAINER



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



ASF 1000 DW -HC-






Top ASF 1000 DW -HC-



ASF 480 DW -HC-



Ventilation

Type	ASF 480 DW -HC-	ASF 1000 DW -HC-	ASF 2000 DW -HC-
 Volume	480 l	1000 l	2000 l
 Weight	140 kg	310 kg	500 kg
 Dimensions L×B×H	810×740×1348 mm	1230×1030×1400 mm	1200×1600×1600 mm
Approvals	D/BAM 13026/31A	D/BAM 0472/31A DIBt-Z-38.12-244	D/BAM 12525/31A DIBt-Z-38.12-244



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



Type		SUT 1000 -HC-
 Volume		1000 l
 Weight		360 kg
 Dimensions L×B×H		1090×1208×1370 mm
Approvals		D/BAM 12031/31A



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

1 ST 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)

2 ND 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.



IP



AP