

MEEBERG BITUMEN TANKS & BOXES

Tanks & boxes

We have several possibilities for the transport or storage of bitumen cargo, in this way we can always find the best solution for your requirements. We have tanks, swaps and bitumen boxes in several capacities and with different technical specifications.

Certification

All our Bitumen tanks and -boxes are tested and inspected by a independent authority that grants our products with the certificates that are needed. Because we build following the strict European quality standards, our tanks, swaps and boxes are a safe and reliable way to transport or store your bitumen.

Different heating systems

At a normal temperature bitumen is solid, it has to be heated to become fluid. That means that the product needs to be heated inside the tank or box, in order to unload or process the bitumen. There are several heating options that can be installed in a tank or box. Our specialists will gladly advise you which system is the best fit for your requirements.



REBUILD 20FT & 23FT BITUMEN TANK

A used tank container with a stainless steel barrel is used as basis for the rebuild bitumen tank container.

Our rebuild bitumen tank containers can be used for the transport and storage of different types of bitumen, other fuels and emulsions.

Because of the stainless steel barrel and high level of modification works, a long lifespan is expected with normal use.

A new 5 year certification is included with the tank issued by Lloyds Register. The flame tube system is certified by Lloyds Register and compatible with IMO/ADR/RID/USDOT regulations. The IMO2 / T3 / L2.65BN codes will be applicable.

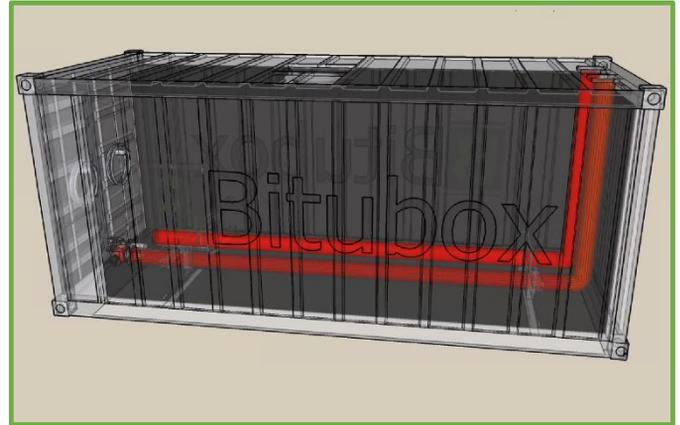
Specifications:

- Capacity: 23.000-35.000L liter
- Design temperature: 230 C°
- Flame tube heating system
- DN80-DN100 / 3" BSP bottom discharge
- Insulation 50 MM
- Heating up to 170 C° within 8 hours
- Available with diesel burners
- Suitable for all bitumen grades
- Intermodal -ship/ train/ truck



20FT BITUMEN BOX

The unique design of the Bitubox makes it a very safe and highly cost-effective way to transport or store high volumes of bitumen. Since the box is modified out of a standard 20ft container, the Bitubox is very suitable for intermodal transport per ship, train and truck. The fork lift pockets make it very easy and safe to handle the box.



Specifications

- 20 ft ISO standard box container
- Fork lift pockets
- 30.000L capacity
- Flame tube heating system
- Smart insulation system
- Bottom discharge
- CSC safety approval
- Temperature -20/+230 °C
- Suitable for all bitumen grades
- Intermodal -ship/ train/ truck
- The fully loaded Bitubox can be heated within 12 hours



Temperature measuring

Flame tubes for connection of the burners

3 inch BSP treated bottom outlet



REBUILD THERMAL OIL BITUMEN TANK

A thermal oil tank has a closed circuit of pipes in the bottom of the tank, where the heated thermal oil flows through. The pipes give off heat through conduction and convection, heating the bitumen or emulsion that is inside the tank.

These grade A bitumen tanks are build and designed especially for the storage and transport of bitumen, bitumen emulsions and crude oil. The high quality custom fitted thermal oil system makes sure the product is heated equally and safely, which makes it the perfect solution for your bitumen or crude oil project.

Specifications:

- Capacity: 21.000L-26.000L
- Design temperature: 230 C°
- DN80/DN100 bottom discharge
- Insulation 50 MM
- Delivered with new 5 year certificate
- Lloyds Register certificated
- Suitable for bitumen & emulsions
- Intermodal -ship/ train/ truck



ELECTRIC TRACING BITUMEN TANK

A bitumen tank is an insulated tank container with a heating system which is built to transport bitumen.

Meeberg is specialized in electric tracing systems suitable for safe and reliable temperature retention (bitumen) tanks. The Trans Heat SFM cable as electrical heating solution to maintain a tank container up to 210 °C.

We use a low power density on the cable. This has the advantage that the heat is very well distributed on the surface, preventing overheating of the product.

The tank container will be covered for 80% with Trans Heat cable, including the heads. The tank container has no steam pipes.

The Trans Heat cable sections are:

- Section 1 : 9.000W -3x440V(this may varied)
- Section 2 : 9.000W - 3x440V400

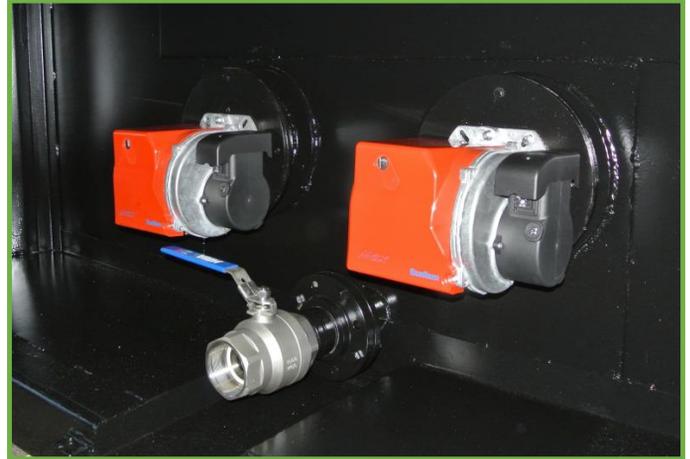
Specifications:

- Voltage: 3 x 380-440V
- No discharge valve heating
- Insulation: 50-100mm Rockwool
- Tank container volume 14-35 Cbm
- Maintain temperature up to 210°C
- Including installation: Moerdijk Nederland
- Product: bitumen
- Lloyds Register certificated
- No ATEX



BURNERS & CARGO

The fully loaded 20FT tanks & 23FT swap tanks can be heated within 8-12 hours. These diesel burners can be transported inside the empty tanks or transported separate when the tank is loaded.



The fully loaded Bitubox can be heated within 12 hours. These diesel burners can be transported together with the Bitubox even when attached. Next to this there is space to store hoses and other equipment in this area.



Because bitumen tanks & boxes are rebuild & modified from standard ISO tanks & containers we can supply these units fast and unlimited from our depot in Moerdijk, The Netherlands.



WORLDWIDE DELIVERY OF BITUMEN

Besides the design and (customized) fabrication of equipment such as bitumen tank containers and bitumen boxes, Meeberg can deliver various bitumen products worldwide. With an experienced logistics and bitumen department and multiple sources in Europe, Meeberg is your specialist in the delivery of bitumen products!



YOUR WORLDWIDE PARTNER IN BITUMEN

We can offer all services from purchasing the bitumen to delivery at the final destination;

- Purchasing of various bitumen products and emulsion
- Loading, handling and storage of the bitumen
- Transport and delivery to the final destination and return transport of empty equipment if needed
- Able to load high volumes of bitumen in our own Meeberg Bitubox and tanks

5 Year Periodic Test Certificate for ISO Portable Tank

This certifies that the under noted Tank Container / Portable Tank has been inspected in accordance with Lloyd's Register Container Certification Scheme and the regulations indicated below.

| | | | |
|--------------------------------------|--|----------------------------|----------------|
| Place of Inspection: | THE NETHERLANDS, MOERDIJK, MEEBERG | | |
| Owner: | MEEBERG ISO TANKS | | |
| Operator/Lessor: | MEEBERG ISO TANKS | Owner's no.: | BITU 225027-3 |
| Manufacturer: | CIMC, CHINA | Manufacturer's Serial No.: | NCSE 03T 00998 |
| Type of Tank : | ISO Portable Tank | Tank Code | UN T3 |
| Scope of Inspection : | Periodic Inspection 5 Year | Type Approval No.: | N.M. |
| Applicable regulations & Standards : | ADR, ISO 1496-3, ASME VIII : Div.1, RID, IMDG, AAR 600, TC IMPACT, CSC, TIR, UIC, IC70 | | |
| Inspection Criteria : | EN 12972, LRCCS | | |

| Tank Information | |
|---------------------------------|--|
| Date of Manufacture: | 07-2003 |
| Max. Gross Weight (CSC Rating): | 36000 kg |
| Tare Weight: | 3780 kg |
| Capacity: | 24000 L |
| Design Temperature: | -20 °C to 230 °C |
| Tank Test Pressure: | 2,65 Bar(g) |
| Tank MAWP: | 1,74 Bar(g) |
| External Pressure: | Bar(g) |
| Steam Coils – Test Pressure: | Not Fitted |
| Steam Coils – MAWP: | Not Fitted |
| Shell Material: | Stainless Steel |
| Shell Thickness: | 6 mm |
| Head Material: | Stainless Steel |
| Head Thickness: | 6 mm |
| Partition Thickness: | Not Applicable - Not Fitted |
| Equivalent Thickness (e0) : | 6mm |
| Frame Dimensions (mm): | Length : mm Width : mm Height : mm |
| UN Numbers : | |
| Safety Devices | |
| | 1 st 2 nd |
| Manufacturer: | PRV |
| Serial no.: | FV |
| Full flow rate: | 0140653 |
| Set pressure: | 8599 m ³ /s |
| Vacuum setting: | 2,18 Bar(g) |
| Other device(s) details : | |

| Inspection Dates | |
|---------------------------|--------------|
| Initial Hydrotest: | 07-2003 |
| Last Hydrotest: | 10-2018 |
| This Inspection Date: | 04-2020 |
| Due Next Inspection Date: | 10-2022 |
| Next Inspection Type : | Intermediate |
| Next CSC Inspection Date: | 10-2022 |

| Hydro Test / Leak Test | |
|------------------------|---------------------------|
| Hydro Test Details: | 2,65 Bar(g) on 10/04/2020 |
| Leak Test Details: | 1 Bar(g) on 10/04/2020 |
| Steam Coils Pressure | |

| Inspections | |
|--------------------------|-------------------------------|
| Documentation: | Not Applicable |
| Design Characteristics: | Not Applicable |
| Internal: | Acceptable - No Defects Noted |
| Indication of Corrosion: | Acceptable - No deterioration |
| External: | Acceptable - No Defects Noted |
| Service Equipment: | Acceptable |
| Safety Devices: | Acceptable - Witnessed by LR |
| Remote Closure / Stop: | Acceptable |
| Lining: | Not Applicable - Not Fitted |
| Insulation: | Yes |
| Frame: | Acceptable |
| Improper Frame Repairs: | No Repairs Noted |
| General Paint Condition: | Acceptable - In order |
| Nameplate / Decals: | P - 04-2020 LR |
| Dedicated Service ? | No |

Additional Information / Remarks:

CSC: TC/LR/60361/20/06/03, RID/ADR: GB/TC/LR/60361, ISO CODE: 22K1, DISCHARGE: BOTTOM. B. VAN DER GRAAFF FOR F. BROXKS AND SELFISO Portable Tank Asset Number BITU 225027-3 inspected on 10-APR-2020 is suitable for service, subject to satisfactory maintenance, until the next inspection date specified above

Lloyd's Register Nederland B.V. are an Approved Tank Inspection Body Working under the Authority of the Netherlands Inspectie Leefomgeving en Transport

LR Office - Rotterdam, Netherlands

Witnessed

Supervisor : Richard Sebastiaan van der Graaf

Reviewed

Lloyd's Register EMEA

A subsidiary of Lloyd's Register Group Limited

Bas van der Graaf

Approved by Lloyd's Register Nederland B.V.

Rotterdam

Lloyd's Register Nederland B.V.





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