

ELECTRIC HEATED BITUMEN TANK



Meeberg is specialized in electric heating 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 to 180°C /220°C. +/- 5°C



ELECTRIC HEATED BITUMEN TANK

Trans Heat SFM cable as electrical heating solution to maintain a tank container to 180°C +/- 5°C.

We have engineered a low power density on the cable.

This has the advantage that the heat is very well distributed on the surface, so no overheating of the product.

The tank container will be covered for 80%-90% with Trans Heat cable including the heads.
The tank container has no steam pipes.

The Trans Heat cable SFM is a Teflon PTFE insulated heating wire with braid and PTFE outer jacket.

The system will be executed with 9 x Pt100, 5 connected and in use, 4 as spare parts.

The Trans Heat cable sections are:

- Section 1 : 9.000W - 3x440V
- Section 2 : 9.000W - 3x440V
- Section 3 : 200W – 440V

The power supply is 3x380-440V.

For each section the tank shell temperature will be regulated by a Pt100 and an electronic controller.

Also for each tank section with cable the surface temperature of the cable will be limited by a Pt100 and electronic controller.

The system will be executed with 8 x Pt100, 4 connected and in use, 4 as spare parts.

Customer parameters:

- Voltage: 18kW at 3 x 380-440V
- No discharge valve heating
- Insulation: 100mm Rockwool
- Tank container volume 24-31 Cbm
- Maintain temperature 180°C / 220°C. +/- 5°C
- Including installation: Moerdijk Nederland
- Product: bitumen
- No ATEX



ELECTRIC HEATED BITUMEN TANK

UNIT-SFM-18-MEE-200

Single core SFM heating cable system

18.000W-3x440V-1080m

CONTROL BOX SFM

Control box Stainless steel 600x350x140 consisting of:

- CEE connector 4x32A, 3h with 10m cable H07 4G6
- 2 circuit breaker 3P 16A
- 2 contactor 3P 16A
- control circuit trafo 440/24 VAC
- control circuit breaker 2A
- electronic controller "tankshell section 1"
- electronic controller "heating cable section 1"
- electronic controller "tankshell section 2"
- electronic controller "heating cable section 2"
- indication light for: main power (white),
- terminals for 6 heating cables
- terminals for 8 Pt100
- 8 sensors included

Installation details:

- the heattracing cables are fixed
- the hot cable is connected to cold cable with joints
- the Pt100 sensors are installed
- all the heating cables are covered by aluminum foil
- the coldleads and the sensors are connected into the control box
- a testreport is made

TransHeat cables and all components in the control box are first-class brand, highly qualified and particularly suitable for applications on the road, railway and transport by ship.

