



Temperature maintenance on

- › Tank Containers
- › SWAP Containers
- › Road-Tanks
- › IBC's

Keeps Your Fleet Running Smoothly



Electrical heat tracing made by eltherm is employed to maintain exact temperatures when transporting temperature-sensitive chemicals in tank containers, SWAP containers, Road Tankers und IBCs (Intermediate Bulk Containers). Temperature maintenance is required for substances such as MDI, highly viscous industry materials, oils, resins, fat, coatings, bitumen, adhesives, foods and casting compounds.

Benefits of the eltherm heat tracing system:

- › Exact temperature maintenance along the entire production and transport chain
- › Best possible operational capacity for the entire fleet
- › Safe temperature maintain for loading and unloading
- › Hitch-free transport operation
- › No cold zones, even when cables are damaged
- › Quick repair and easy maintenance
- › Resistance to moisture and salt water



eltherm Tank Container heating systems in operation:



Control and monitoring



Assembly of the EHT system



Heating of outlets

Control Accuracy for Precise Temperatures

A special assembly technique for EHT on tank containers developed by eltherm engineers plus reliable monitoring and control ensures uniform temperature accuracy across the entire tank surface. It is resistant to vibration impact and thus designed for reliable operation. Apart from the tank container itself, the EHT system takes account of outlets, riser pies, including insulating sleeves for valves and ball taps.



Technical eltherm advantages:

- › Solutions for all sensitive temperatures during transport, storage, loading and unloading at +/- 2 °C.
- › Standard performance to 18 kW, more electrical performance possible.
- › Maintenance temperatures with PTFE trace heaters up to 210 °C, with MI trace heaters > 250 °C.
- › PTFE trace heaters resistant to cargo load temperatures up to 260 °C.
- › Exact temperature maintenance during storage and transport.
- › Designed for voltage supply from 220 V to 500 V for global fleet operations.
- › Heat up of empty tank before cargo loading.
- › Safe compensation of heat loss on thermal bridges such as support struts.
- › Light weight of the EHT system, high performance.
- › Reliable, trouble free operation even during power supply fluctuation during ship transport.
- › Electrical controllers with hysteresis of +/- 1 °C.
- › One heating circuit remains operable even when the other is damaged thanks to redundant design.
- › Repair and easy maintenance of PTFE insulated trace heaters possible anywhere, anytime.
- › Monitoring and storage of all temperature data along the entire storage and transport cycle.
- › Tank container for hazardous areas covered by ATEX approval.

