



TEMPERATURE CONTROLLED TANK CONTAINERS

AVAILABLE TANK TYPES

❄️ REFRIGERATED

- ✓ Electric powered glycol systems for cooling products sensitive to high temperatures

☀️ HEATED

- ✓ Electric powered glycol pump system for heating products that need to be kept in liquid form or elevated temperature, Also available, electrically heat traced systems providing circumferential heating.

🌡️ HIGH INSULATED

- ✓ Above standard insulation thickness to extend temperature hold time and reduce temperature change

EXCELLENCE IN DESIGN AND GLOBAL SERVICE

- ✓ Lightweight compact designs that fit within the frame of the tank container
- ✓ Low noise output, minimal decibels
- ✓ Global service and parts network
- ✓ Technical personnel worldwide trained to work with OEMs to determine the optimal temperature controlled solution for each project.
- ✓ Maintenance & Repair personnel worldwide to assist with testing, regular service and maintenance of temperature control systems.

INDUSTRY APPLICATIONS

- ✓ Food and Beverage
- ✓ Resins and urethanes
- ✓ Medical and pharmaceutical
- ✓ Waxes and Latex
- ✓ Chemicals
- ✓ Mining
- ✓ Military
- ✓ Construction and building materials



HEATED TANK CONTAINERS

- ✓ Glycol pump heater
 - Heating systems from US and European manufacturers
 - Installation in USA, Europe and Asia
 - 10000 to 24000 liter capacity tanks
 - All aluminum and steel fabrication consisting of an electrical resistance heater, pump and control box
 - Control boxes in a splash-proof, robust and fully insulated housing fitted to the side or end of tank containers, at customer's preference
 - 10 – 12 kW heating power
 - Synthetic oils may be used for high temperature heating
 - Regulated heating to prevent thermal shock to sensitive products
 - Closed non pressurized system
- ✓ Electrically Heat Traced
 - Heating cables with high chemical resistance
 - Can be fitted by most tank container manufacturers or by some Eurotainer approved depots
 - 14000 to 21000 liter capacity tanks. Although larger capacities are suitable, it is recommended not to exceed 21m³ to allow for sufficient tank insulation
 - 15 kW heating power
 - Allows tank to be maintained or re-heated between ambient and 200°C
 - Control box fitted within the tank frame
 - Heating loops can be used to heat the discharge valves

REFRIGERATED TANK CONTAINERS

- ✓ Propylene glycol for food grade applications
- ✓ Ethylene glycol for non-food grade applications
 - Control boxes fitted to side or end of tank containers at customer preference
 - System maintains cargo and cooling liquid temperatures of -20F (-29C) to 84F (29C). Unit will function and work satisfactorily in ambient temperature from -40F (-40C) to 122F (50C)
 - Aluminum frame, stainless steel hardware
 - Designed to operate on: A/C 460/380 volts +/- 10%, 3 Phase 60/50 Hz +/- 2.5%
 - Optional 5 kW heater
 - Closed non pressurized system

HIGH INSULATED TANK CONTAINERS

- ✓ Used to extend the temperature hold time and reduce temperature loss or gain from loading temperature.
- ✓ An option when a separate heating system is not preferred.
 - Tanks are fitted with coils to heat or cool with glycol, water or steam
 - Custom build or modification to existing tank containers
 - 10000 to 24000 liter tank capacity
 - Insulation thickness from 60 to 100 mm
 - Ideal for shorter transit time
 - Various insulation mediums including Rockwool and Polyurethane foam

OPTIONS

- ✓ Heating/cooling coils on the top and bottom of tank barrels
- ✓ Circumferential heating/cooling coils
- ✓ Product recirculation, mixing and agitation systems
- ✓ "High heat" tank containers built to withstand products loaded and shipped at elevated temperatures (above 120 C)
- ✓ ATEX Certification and explosion proof systems
- ✓ Redundant heating and cooling systems
- ✓ GPS tank location monitoring
- ✓ Additional barrel insulation
- ✓ Level gauges
- ✓ Telemetry systems for monitoring product levels in tank containers. Battery and solar powered
- ✓ Data loggers to record product temperature
- ✓ High and low temperature alarms – visible and audible
- ✓ Traced and/or insulated valves, siphon tubes and valve compartments
- ✓ Combination heating and cooling system on one tank container



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ON OUR TEMPERATURE CONTROLLED TANK CONTAINERS
AND TO CONTACT YOUR LOCAL EUROTAINER OFFICE.