Questionnaire

eltherm®

Electrical Trace Heating on Tanks and Vessels

Customer Data

Company*		**Contact***	
Street, Code/City*		**E-Mail***	
Website		**Phone***	

Project Details

Application	☐ Freeze prevention ☐ Temperature maintenance ☐ Heating-up & temperature maintenance
Supply voltage*	
Maintain temperature*	°C
Product temperature	°C
Min. ambient temperature*	°C
Max. ambient temperature*	°C
Removable Trace heater	☐ Yes (Drawing necessary) ☐ No
Production according to	☐ Provision ☐ Drawing

Process Data

**Product ** **	
**Density ** **	kg/m³
**Spec. heat capacity ** **	kj/kg*K
**Spec. melting heat ** **	J/kg
Phase transition temperature (if applicable) **	°C
Switch-on temperature	°C
**Initial temperature ** **	°C
**End temperature ** **	°C
Max. operating temperature (energized)	°C
**Desired heat-up time ** **	h

Details of the Tank or Vessel

Dimensions (ø, LxWxH)	mm
Bottom/Top	☐ Flat ☐ Torispherical head
Position	☐ Upright ☐ Horizontal
Installation	☐ Pedestal ☐ Skirt Support ☐ Holding claw ☐ Ground
Material	
Weight	
**Wall thickness ** **	mm
Quantity of	Valves: Flanges: Supports:
Max. Fill level	
Min. Fill level	
Location	☐ Indoors ☐ Outdoors
Exposure to moisture?	☐ Yes ☐ No

Temperature Control

Control	☐ Provided by customer ☐ Pluggable ☐ Capillary tube thermostat ☐ Complete control cabinet ☐ Electronic temperature controller
Temperature sensor (Electronic temperature controller)	☐ NiCrNi ☐ FeCuNi ☐ Pt-100 ☐ 2-wire ☐ 3-wire ☐ 4-wire
Installation (Electronic temperature controller)	☐ T-rail ☐ Wall mounting ☐ Door installation ☐ Mounting bracket

Hazardous Area

Installation in hazardous areas	☐ Yes ☐ No EX-Zone:
Temperature class	☐ T1 ☐ T2 ☐ T3 ☐ T4 ☐ T5 ☐ T6
Certification in accordance w.	

Thermal Insulation Details

Material	
Thickness*	mm
Heat conductivity	W/(m-K)
Density	kg/m³
Max. temperature limit of insulation	°C

Installation Information

Installation by eltherm	☐ Yes ☐ No
Installation location	

*** Please fill in all required fields**

**** Information only required for heating up**

Please enclose technical illustration as attachment!

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