Questionnaire

Electrical Trace Heating on Pipes

eltherm®

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

Details of the Pipes

Length	mm
Nominal diameter	mm
Material	
Spec. heat capacity (pipe material)	kj/kg*K
**Density (pipe material) ** **	kg/m³
Weight per meter (of pipe)	kg/m
**Wall thickness ** **	mm
Quantity of	Valves: Flanges: Supports: Pumps/filters: Tee connections:
Location	☐ Indoors ☐ Outdoors
Exposure to moisture?	☐ Yes ☐ No

Thermal Insulation Details

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

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
Max. temperature (for a short time) e.g. steam-rinsing (de-energized)	°C
**Desired heat-up time ** **	h

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 / Pipe mounting

Hazardous Area

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

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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