

Heating System Evaluation - Piping

Page 1 - Required Information

1 Client Information

Company: _____ Phone Number: _____
Contact Name: _____ Email: _____

2 Expected/Desired Heating System

Jacketed Pipe ControTrace® TraceBOOST™ Tube Tracing CSI To Recommend



3 Heating Medium Type

Steam → Supply Pressure: _____
 Water/Glycol → Supply Temperature: _____
 Hot Oil
 Other: _____
(if liquid provide supply temperature)

4 Process Information

Process Name: _____
Process Phase: Vapor Liquid

5 Thermal Need/Objective

Maintain Bulk Process Temperature Heat Exchanger Winterization
 Maintain Pipe Wall Temperature Melt-out CSI To Recommend
Required Maintenance Temperature: _____ Other Info: _____

6 Piping Details

(Isometric drawings and line list are preferred, alternatively fill in the piping details chart below)

Section/Line	Pipe Diameter	Pipe Length	Pipe Schedule	Pipe Material	Insulation Type	Insulation Thickness	Fitting Frequency	Support Style	Flange or FW Construction	Other

Required Information Optional Information

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Page 2 - Optional Information

7 Additional Process Information (Optional)

Minimum Acceptable Process Temperature: _____ Limited By: _____

Maximum Acceptable Process Temperature: _____ Limited By: _____

Process Properties:

Density: _____ Viscosity: _____

Thermal Conductivity: _____ Specific Heat: _____

Volumetric Coefficient of Thermal Expansion: _____

Latent Heat of Fusion: _____

8 Additional Heating Medium Information (Optional)

Hot Oil Brand/Model: _____

Hot Oil Properties at Supply Temperature:

Density: _____ Viscosity: _____

Thermal Conductivity: _____ Specific Heat: _____

Glycol Type: Ethylene Glycol Propylene Glycol Other: _____

Water/Glycol Mix Ratio: _____

Oil/Water/Glycol Operating Pressure - Supply Header: _____ Return Header: _____

Oil/Water/Glycol Maximum Available Flow Rate: _____

Steam Condensate Return Header Operating Pressure: _____

Steam Trap Style: _____

9 Equipment & Environment Information (Optional)

Reference material: (attach P&IDs, BOM, line list, PFDs, plant specifications, process simulation output, etc.)

Installation Country: _____ Installation City: _____

Installation Environment: Outdoors Indoors Covered

Ambient Temperature Minimum: _____ Temperature Maximum: _____

Special Material Requirements (standard ControTrace material is SA-178): _____

Special Design Requirements (standard ControTrace design P/T is 150 psi at 400°F): _____

Will the heating system be installed before or after the pipe is installed?: _____

Additional Information: