Equipment Heating Evaluation Questionnaire

Today's Date:_____

Requested Quotation Date:_____Type of Pricing:

Customer Information:

Company Name:_____Contact: _____

Phone:_____Email:_____

Project Objective(s):

- Maintain Process Temperature at _____ °F
- Heat Process in the Component from _____ °F to _____°F
- Melt Process in the Component at _____ °F
- Process Minimum Temp: _____ °F Process Maximum Temp: _____ °F

Process internal film coefficient details:

- Name of process:_____ (Vapor or Liquid)
- At what temperature does the process enter the component?_____ °F
- Density (lb/ft³):_____
- Viscosity (Cp):_____
- Specific Heat (BTU/lb F):_____
- Thermal Conductivity (BTU/hr ft °F):_____
  - For Melt-out only: Cp Solid: _____BTU/lb F, Latent HoF: _____BTU/lb, Solid Density: _____lb/ft^3

Equipment information:

Type of Component	Make	Model	Size / Rating	Material	Weight
Plug Valve	XYZ Co.	111-222	1 inch 300#	Carbon Steel	5 lb.

Heating Medium Details:

- Type of Heating Medium (Steam, Hot Oil, Water, other): _____
- Pressure: _____ psig/bar, Temperature: _____ °F Flow Rate (if liquid): _____lb/hr

Ambient Conditions:

- Indoors or Outdoors?
- Minimum Ambient Temperature:_____ °F Maximum: _____ °F

Patterning & Insulation:

Most equipment jackets require some sort of patterning because each piece of equipment is unique. Most often, this requires a component to be sent to QMax. We do have options.

- Are you able to send a sample piece of equipment to QMax? ☐ Yes ☐ No
- Do you have a .STP file of the component so QMax can 3D print it? ☐ Yes ☐ No
- Would you like QMax to provide a custom insulation blanket with the jacket? ☐ Yes ☐ No

Equipment Heating Evaluation Questionnaire – Additional Information

Additional Customer Information:

Company Name:_____
Company Name in Local Language: _____
Business Registration Number: _____

Physical Address: _____ Postal Code: _____
City/District: _____State/Province/Territory: _____
Country: _____Website Address: _____

Description of Business Operations: _____

Additional Product Information:

End Use of Product to Purchase: _____
End- User Name:_____
End- User Physical Address:_____

Description of End- User Business Operations:_____
Product will be installed in a Hazardous or Explosive atmosphere: ☐Yes ☐No
If Yes - Conformity requirements: _____

Product requires ASME Code Fabrication: ☐Yes ☐No Does this require a stamp?☐Yes ☐No

Product requires PED** (European Union Pressure Equipment Directive): ☐Yes ☐No
Example, product operates at pressure more than 7.25 psig or 0.5 barg)

Product requires CRN** (Canadian Registration Number): ☐Yes ☐No
(Example, product operates at pressure more than 14.5 psig or 1 barg)

Product Certifications and Requirements:

Product Markings or Certification Required for import:_____
Customer/End-User Material Origin Restrictions:_____

Other Requirements:

☐Certificate of Origin ☐Material Receiving Reports

☐Inspection Reports ☐Weld Maps

☐WPS (Welding Procedure Specification)/PQR (Procedure Qualification Record)

☐Procedures for NDE (non-destructive evaluation), inspection, test _____

Additional Comments: _____
_____
_____
_____
_____
_____