



# 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 \_\_\_\_\_
- Heat Process in the Component from \_\_\_\_\_ to \_\_\_\_\_
- Melt Process in the Component at \_\_\_\_\_

## Process internal film coefficient of details:

- Name of process: \_\_\_\_\_ ( Vapor or Liquid )
- At what temperature does the process enter the component? \_\_\_\_\_
- Density (lb/ft<sup>3</sup>): \_\_\_\_\_
- 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<sup>3</sup>

## 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: \_\_\_\_\_ Flow Rate (if liquid): \_\_\_\_\_ lb/hr

## Ambient Conditions:

- Indoors or Outdoors?
- Minimum Ambient Temperature: \_\_\_\_\_ Maximum: \_\_\_\_\_

## 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

