

Vessel Heat System Design Checklist



Contact Name: _____ Telephone Number: _____

Company Name: _____ Fax: _____

Address: _____

Application: _____

Type of Industry: _____

Tank Specifications

Tank Dimensions: _____	Tank Wall Thickness: _____
Tank Material: _____	Tank Wall Obstruction: _____
Tank Lining: _____	Is the Product Agitated: <input type="checkbox"/> Yes <input type="checkbox"/> No
Insulation Type: _____	Insulation Thickness: _____
Does the insulation cover all surfaces: <input type="checkbox"/> Yes <input type="checkbox"/> No If no explain: _____	

Location

Tank location: <input type="checkbox"/> Indoors <input type="checkbox"/> Outdoors	If outdoors what is the wind speed: _____
Minimum ambient temperature: _____	
Area Classification: <input type="checkbox"/> Ordinary <input type="checkbox"/> Hazardous	Class: _____ Division: _____ Group: _____

Product Specifications (required for heat up)

Product Name: _____	Specific Heat: _____
Max/Min Exposure temps: _____	Density: _____
Melting or Boiling Point: _____	
Beginning State (Solid, Liquid, or Gas): _____	Ending State: _____
Flow Rate at Start of Heat up: _____	Heat of Fusion: _____

Temperature

Process start up temperature: _____	Process maintenance temperature: _____
Time required for heat up: <input type="checkbox"/> 1 hour <input type="checkbox"/> 2 hours <input type="checkbox"/> 4 hours <input type="checkbox"/> 8 hours <input type="checkbox"/> 12 hours <input type="checkbox"/> 24 hours	
<input type="checkbox"/> Other: _____	

Power Requirements

Operating voltage: <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 230 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 480 <input type="checkbox"/> Other: _____	
Phase: <input type="checkbox"/> Single <input type="checkbox"/> 3 phase wye <input type="checkbox"/> 3 phase delta	Circuit breaker size: _____

Comments: _____

All tank-heating systems require temperature control. BriskHeat® can provide this control.

Should BriskHeat® recommend a controller for this application? Yes No

Customer Signature: _____ Date: _____

Please include a sketch or drawing of the vessel.

If you have any questions in completing the above checklist, please contact factory.