VESSEL HEAT SYSTEM DESIGN CHECKLIST

Contact Name _____   Telephone Number: _____

Company Name: _____   Fax: _____

Address: _____

Application: _____

Type of Industry: _____

TANK SPECIFICATIONS:

Preferred Unit of Measurement: Inches   mm

Tank Dimension: _____   Tank Wall Thickness: _____

Tank Material: _____   Tank Wall Obstruction: _____

Tank Lining: _____   Is the Product Agitated: Yes   No

Content Fill (% or gallons, max. to be heated): _____

Content Fill (% or gallons, min. while heated): _____

Insulation Type: Fiberglass   Calcium Silicate   Neoprene   Mineral Wool
Ceramic Wool   Perlite   Aerogel   Silicone Foam   Polyimide Fiber   Other _____

Insulation Thickness: _____

Does the insulation cover all surfaces: Yes   No   If no explain _____

LOCATION:

Tank Location: Indoor   Outdoor   If outdoors what is the wind speed: _____

Preferred Unit of Measurement: °F   °C

Minimum Ambient Temperature: _____

Area Classification: Ordinary   Hazardous   Approval Requirements: _____

PRODUCT SPECIFICATIONS (REQUIRED FOR HEAT UP):

Product Name: _____   Specific Heat: _____

Max/Min Initial 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:

Initial Process Temperature: _____ °   Process maintenance temperature: _____ °

Time required for heat up: 1 hour   2 hours   4 hours   8 hours   12 hours   24 hours
Other: _____

Power Requirements:

Operating Voltage: 120   208   230   240   277   480   Other: _____

Phase: Single   3 Phase Wye   3 Phase Delta

Circuit Breaker Size: _____

Comments: _____

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

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

Please include a sketch or drawing of the vessel.