



425 Hanley Industrial Court
 St. Louis, MO 63144
 Ph: 314-644-4300 – Fax: 314-644-5332

Date: _____ Job Reference _____
 Company Name _____
 Address _____
 City _____ State _____ Zip _____
 Customer Contact _____
 Phone No. _____ Fax No. _____
 E-Mail Address _____
 Submitted By (if different than above) _____
 Date Quote Required _____

STORAGE TANK HEATERS

APPLICATION

Tank Dimensions: _____ Capacity _____ gal., Tank Material _____ Horizontal or Vertical
 Insulation thickness _____ in., Insulation type _____ "K" factor _____
 Maintaining temp. _____ °F, Min./max. ambient temperatures _____ °F, Indoor or Outdoor
 Initial heat-up time required _____ hours Maximum temp. rise during heat up _____ °F
 Material to be heated _____ Heat sensitive YES / NO
 Fluid Properties: Density or Specific Gravity _____ at _____ °F Specific Heat _____ at _____ °F
 Thermal Conductivity _____ at _____ °F Viscosity _____ at _____ °F
 Maximum Fluid Film Temperature _____ °F

Describe how the heater is to be used: _____

Describe the process loop: _____

HEATER DESIGN

Required KW rating _____ or heat duty _____
 Available power _____ volts, _____ phase, _____ cycle
 Maximum watt density on heater pipe _____ W/in²
 Tank heater pipe material _____ (Carbon steel is standard.)
 Heater Environment (NEMA Type): 1 , 4 , 4X , 7 Non-hazardous Area or Hazardous Area
 If Hazardous Area: Class _____, Division _____, Groups _____, Ignition Temperature Code _____
 Special Items: _____

CONTROLS

Type: ON / OFF / Multi Stage , Number of Stages _____ / Solid-state SCR (modulated)
 Controls mounted: On heating unit (prewired) Remote control panel
 NEMA Type enclosure (if remote): 12 , 4 , 4X , 7 (cast aluminum)
 Special Control Items: _____
