

Heater Systems

ASME & Custom Engineering Specifications

Customer Specifications
ASME Heater

Date _____ Prepared By _____

Customer Name _____ Sales Engineer _____

Location _____ Order/Inquiry No. _____

1. Medium Being Heated _____

Temperature: From (*specify units*) _____ To (*specify units*) _____

Sp. Ht. _____ Viscosity _____ @ _____ (*specify units*)

Lethal Substance¹ Yes No

Minimum Flow Rate _____ (*specify units*)

Maximum Flow Rate _____ (*specify units*)

Max. Pressure: Operating (*specify units*) _____

Design Pressure (*specify units*) _____

Max. Temperature: Operating (*specify units*) _____

Design Temp. Max. (*specify units*) _____ Min. _____

Corrosion Allowance (Standard is .0005" inches) _____

2. Heater Construction - Model No. _____

Nominal Vessel Size (NPS) 3" 5" 8" 10" 12" 14" 16" 18" Other _____

Pressure Rating _____ Lb. Construction (150, 300, 400, etc.)²

Vessel Materials _____ (Carbon Steel, Stainless, etc.)²

Element Materials _____ (Copper, Steel, Stainless, INCOLOY®)²

Inlet & Outlet Size (NPS) _____ NPT or Flanged _____

Terminal Enclosure _____ E1, E2, E3, E4, E6

Mounting Position _____ (Vertical or Horizontal)

Insulation Jacket _____ (Standard, Weather Resistant, None)

ASME Code Section _____ (I, IV, VIII)²

Circulation Type _____ (Baffled or Non-Baffled)

3. Electrical Data: kW _____ Voltage _____ Phase _____ No. of Circuits _____

Watt Density² _____ Overheat Protection _____

4. Temperature Control Requirements

5. Remarks (Other Requirements)

Note —

1. By "lethal substances" are meant poisonous gases or liquids of such a nature that a very small amount of the gas or of the vapor of the liquid mixed or unmixed with air is dangerous to life when inhaled. For purposes of this design, this class includes substances of this nature which are stored under pressure or may generate a pressure if stored in a closed vessel.
2. Design parameters may be specified but factory engineers will advise if design calculations or code requirements suggest a better choice.

Form PE306-5