



Heat Exchanger Input Data Sheet

Supply as much information as possible and attach applicable specifications. Questions? Please do not hesitate to contact us.

1. Applicable Codes and Standards

Service of Unit:

TEMA Type:

Applicable Standards: API 614 API 660 API 618 Other _____

TEMA Class: B C R

2. Performance of Unit

Shell Side

Tube Side

Fluid Name*	_____	_____
Fluid Quantity (lb/hr)(kg/hr)(GPM)(LPM)	_____	_____
Vapor	_____	_____
Liquid	_____	_____
Water Vapor**	_____	_____
Temperature (in/out) (°F)(°C)	_____	_____
Inlet Pressure (psia)(bara)(kg/cm ²)	_____	_____
Velocity (min/max)	_____	_____
Pressure Drop (psia)(bara)(kg/cm ²)	_____	_____
Fouling Factor (ft ² *hr*°F/Btu)(m ² *°K/W)	_____	_____
Heat Load (BTU/hr)(kW)	_____	_____

3. Design Requirements

Design/Test Pressure (psia)(bara)(kg/cm ²)	_____	_____
Design Maximum Temperature (°F)(°C)	_____	_____
Design Minimum Temperature (°F)(°C)	_____	_____
Corrosion Allowance (in)(mm)	_____	_____

4. Materials of Construction

Shell	_____
Channel or Bonnet	_____
Tubesheet	_____
Baffle	_____
Gasket	_____
Tubes	_____
Tube OD:	5/8" <input type="checkbox"/> 3/4" <input type="checkbox"/> 1" <input type="checkbox"/>
Tube Thickness:	18 BWG (0.049 wall) <input type="checkbox"/> 16 BWG (0.065" wall) <input type="checkbox"/> 14 BWG (0.083" wall) <input type="checkbox"/>
Tube Pitch:	Triangular <input type="checkbox"/> Square <input type="checkbox"/>
Tube Type:	Plain <input type="checkbox"/> LoFin <input type="checkbox"/>

5. Other Considerations:

Maximum Overall Length:

Number of Tubes Passes:

Tube-Tubesheet Joint: Double Grooved and Expanded Seal Welded Strength Welded

*For gas streams with multiple components please attach a gas analysis. **For saturated gas please indicate the amount of water vapor. If this information is unknown, supply the relative humidity and the temperature/pressure at which the gas is saturated.

Please email or fax completed form to:

Aurora Industrial Machining
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