



## New Heat exchanger Application Form

Company: _____	RFQ: _____
Contact: _____	
Phone: _____	Fax: _____
E-Mail: _____	Website: _____

### Type of Heat Exchanger

- |   |   |   |  |
|---|---|---|--|
| <input type="checkbox"/> Shell & Tube<br><input type="checkbox"/> U-Tube<br><input type="checkbox"/> Straight Tube<br><input type="checkbox"/> Fixed Tubesheet<br><input type="checkbox"/> Removable Bundle | <input type="checkbox"/> Plate Type<br><input type="checkbox"/> Brazed Plate<br><input type="checkbox"/> Plate & Frame<br><input type="checkbox"/> Semi-Welded<br><input type="checkbox"/> Wide Gap<br><input type="checkbox"/> Other | <input type="checkbox"/> Air Cooled<br><input type="checkbox"/> Vertical Air Flow<br><input type="checkbox"/> Horizontal Air Flow<br><input type="checkbox"/> 1 Phase<br><input type="checkbox"/> 3 Phase | <input type="checkbox"/> 3 Phase Explosion Proof<br><input type="checkbox"/> Hydraulic<br><input type="checkbox"/> Other |
|---|---|---|--|

If Other Please Specify Requirements:

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### Thermal Requirements

	Hot Side	Cold Side
Fluid Circulated:	_____	_____
Total Fluid Circulated:	<input type="checkbox"/> GPM <input type="checkbox"/> lbs/hr <input type="checkbox"/> CFM	<input type="checkbox"/> GPM <input type="checkbox"/> lbs/hr <input type="checkbox"/> CFM
- Vapor (lbs/hr)	_____	_____
- Liquid (lbs/hr)	_____	_____
- Steam (lbs/hr)	_____	_____
- Non-Condensables (lbs/hr)	_____	_____
- Fluid Vaporized or Condensed (lbs/hr)	_____	_____

Physical Properties\*

- Specific Gravity or Density	(In/Out)	_____ / _____	lb/ft <sup>3</sup>	_____ / _____	lb/ft <sup>3</sup>
- Viscosity	(In/Out)	_____ / _____	Cps	_____ / _____	Cps
- Specific Heat	(BTU/lb-°F)	_____	Avg.	_____	Avg.
- Thermal Conductivity	(BTU/lb-ft-°F)	_____		_____	
- Latent Heat	(BTU/lb)	_____		_____	
- Temperature In	(Deg.)	_____ °F _____ °C		_____ °F _____ °C	
- Temperature Out	(Deg.)	_____ °F _____ °C		_____ °F _____ °C	
- Operating Pressure	(psig)	_____		_____	
- Allowable Pressure Drop	(psig)	_____		_____	
- Fouling Factor	(ft <sup>2</sup> hr°F/BTU)	_____		_____	
- Heat Exchanged	BTU/hr	_____		_____	

\*Required for uncommon fluids which are not in our sizing database. Please provide properties at various temperatures and condensing curves when possible.

Construction Requirements

	Hot Side	Cold Side
Design Pressure (psig)	_____	_____
Design Temperature (Deg.)	_____ °F _____ °C	_____ °F _____ °C
Materials of Construction	_____	_____
Connection Type (NPT, SAE, BSP or ANSI)	_____	_____
Connection Type - Other	_____	_____

Code Requirements

- Standard Commercial
- ASME Section VIII, Division 1
- TEMA Class  B  C  R
- Other (Please Specify) \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

[Click Below for TEMA Nomenclature & Heat Exchanger Designations](#)

[TEMA Nomenclature](#)