



Shell & Tube Heat Exchanger Inquiry Form

From:	_____	Date	_____
Address:	_____		
Phone:	_____	Fax:	_____
E-Mail:	_____		

HEAT TRANSFER REQUIREMENTS

	Shell Side	Tube Side
Fluid Circulated		
Total Fluid Entering	<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-Condensable (lbs/hr)		
- Fluid Vaporized or Condensed (lbs/hr)		
Physical Property Data*		
- Specific Gravity or Density (In/Out)	/ lb/ft ³	/ lb/ft ³
- Dynamic Viscosity (In/Out)	/ cps	/ cps
- Specific Heat (Avg.)	BTU/lb-°F	BTU/lb-°F
- Thermal Conductivity	BTU/lb-ft-°F	BTU/lb-ft-°F
- Latent Heat	BTU/lb	BTU/lb
Temperature In	<input type="checkbox"/> °F <input type="checkbox"/> °C	<input type="checkbox"/> °F <input type="checkbox"/> °C
Temperature Out	<input type="checkbox"/> °F <input type="checkbox"/> °C	<input type="checkbox"/> °F <input type="checkbox"/> °C
Operating Pressure	psig	psig
Allowable Pressure Drop	psi	psi
Fouling Factor or Surface Margin %	ft ² hr°F/BTU	ft ² hr°F/BTU
Heat Exchanged	BTU/hr	
Number of Passes		
Surface Margin		
Maximum Length		
Dia. / Height Limitation		
Width / Limitation		
Design Pressure		
Design Temperature		

* For uncommon fluids only, physical properties at various temperatures and condensing curves must be provided

MATERIAL AND CONSTRUCTION REQUIREMENTS

Flanges, Fittings	
Shell Material / Max Dip	
Tube Sheets / Tube Plate	
Tubing	
Heads, Bonnets, Covers, Waterbox	
Baffles	
Code Requirements	<input type="checkbox"/> ASME Section VIII, Division 1 <input type="checkbox"/> Commercial Standard <input type="checkbox"/> TEMA Specify Class <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> R <input type="checkbox"/> API Specification 614 <input type="checkbox"/> 618 <input type="checkbox"/> 660 Other - <input type="checkbox"/> PED <input type="checkbox"/> Other – Please specify –
Type of Heat Exchanger	<input type="checkbox"/> Straight Tube <input type="checkbox"/> U-Tube <input type="checkbox"/> Fixed Tube Sheet <input type="checkbox"/> Floating Tube Sheet <input type="checkbox"/> Removable Bundle <input type="checkbox"/> Other –

New England Office

T: (978) 567.7951

F: (978) 567.0817

Corporate Office

964A Route 146

Clifton Park, NY 12065

sales@thermalproducts.com

T: (518) 877.0231

F: (518) 877.3329

Charlotte Office

123 Poplar Pointe Drive, Suite C-1

Mooresville, NC 28117

T: (704) 817-2412

F: (518) 877-3329