



Shell & Tube Application Request

(For liquid to liquid heat exchangers)

Please fill out form as completely as possible. Fax completed form to 434-757-1810

[Contact Name _____] [Telephone _____] [Date _____]

[Company Name _____] [Fax _____]

[Address _____] [Email _____]

Hot Side

Cold Side

[1. Fluid Type _____] [6. Fluid Type _____]

Helpful information if available [a) Specific Gravity _____]
[b) Viscosity _____] [c) Conductivity _____] [d) Specific Heat _____]

[2. Flow Rate _____] [7. Flow Rate _____]

[3. Temperature In _____] [8. Temperature In _____]

[4. Desired Temperature Out _____] [9. Temperature Out _____]

[5. Heat Load _____]

Number of units allowable for application
 Single unit Two or more units (in series or parallel)

Location of Heat Exchanger in System (check one)
 Return Line
 Off Loop (Kidney Loop)
 Other (specify) _____

[Material or Series Requirements _____]
[_____
[_____]

Maximum Allowable Pressure Drop
[Hot Side _____] [Cold Side _____]

[10. Comments _____]
[_____
[_____]

1. Fluid Type - Specific type of fluid to be cooled (such as hydraulic or lubrication oil).
2. Flow Rate - The rate of flow of the fluid to be cooled (such as GPM (gallons per minute)).
3. Temperature In - The temperature of the incoming hot fluid entering the heat exchanger.
4. Desired Temperature Out - The temperature of the exiting cooled fluid from the heat exchanger.
5. Heat Load - The amount of heat to be removed from the hot liquid (such as HP (horse power), Btu/hr.)
6. Fluid Type - Specific type of fluid used for cooling the hot fluid (such as water).
7. Flow Rate - The rate of flow of the fluid used for cooling (such as GPM (gallons per minute)).
8. Temperature In - The temperature of the incoming cold fluid entering the heat exchanger.
9. Temperature Out - The temperature of the heated cold fluid exiting the heat exchanger.
10. Comments - Please fill in any additional information that would assist in sizing the heat exchanger.