



Air Cooled After-Cooler Application Request

(For air to air 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 _____]

Process Air Side

Fan Air Side

[1. Gas Type _____]

[6. Altitude _____]

Helpful information if available [a] Specific Gravity _____

[7. Flow Rate _____]

[b] Viscosity _____

[8. Temperature In _____]

[c] Conductivity _____

[d] Specific Heat _____

[2. Flow Rate _____]

[9. Temperature Out _____]

[3. Temperature In _____]

10. Fan Drive Electric Pneumatic

[4. Desired Temperature Out _____]

[a] Motor Specs _____

[b] Allowable dbA _____

[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) _____

[Required Nozzle Size _____]

[Material or Series Requirements _____]

Maximum Allowable Pressure Drop

[Process Air _____] [Fan Air _____]

[11. Comments _____]

1. Gas Type - Specific type of gas to be cooled (such as air or methane).
2. Flow Rate - The rate of flow of the gas to be cooled (such as SCFM (standard cubic feet per minute)).
3. Temperature In - The temperature of the incoming hot gas entering the heat exchanger.
4. Desired Temperature Out - The temperature of the exiting cooled gas from the heat exchanger.
5. Heat Load - The amount of heat to be removed from the hot gas (such as Btu/hr.)
6. Altitude - Elevation above sea level that the heat exchanger will operate at.
7. Flow Rate - The rate of flow of the air used for cooling (such as SCFM (standard cubic feet per minute)).
8. Temperature In - The temperature of the incoming cold air entering the heat exchanger.
9. Temperature Out - The temperature of the heated cold air exiting the heat exchanger.
10. Fan Drive - Motor type specified to drive the fan.
11. Comments - Please fill in any additional information that would assist in sizing the heat exchanger.