

HEAT EXCHANGER SELECTION INFORMATION

Type: Shell & Tube Hairpin Plate & Frame Brazed Plate Welded Plate Finned Tube

| Flows and Temperatures (minimum required information) | Hot Side | Cold Side |
|--|---------------------------|------------------|
| Fluid Name | | |
| Flow Rate, GPM, Lbs/hr (ℓ/s, Kg/hr) | | |
| Temperature In, specify °F or °C | Specify 4 of the 5 values | |
| Temperature Out, specify °F or °C | | |
| Heat Load, Btu/hr (kW) | | |
| | | |

Fluid Properties (not required for common fluids such as water, air or refrigerants)

| | | |
|--|--------|--------|
| Fluid Composition and Percentage | | |
| Specific Heat, Btu/lb·°F (kJ/kg·°C) | Avg. | Avg. |
| Viscosity, cP | In/Out | In/Out |
| Specific Gravity or Density, lb/ft ³ (kg/m ³) | In/Out | In/Out |
| Thermal Conductivity, BTU/hr-ft·°F (W/m·°C) | | |
| Latent Heat, (if phase change), Btu/lb | | |
| Operating Pressure, psig, psia (kPa, Bar) | | |

Support Information

| | | |
|---|--|--|
| Allowable Pressure Drop, psi, in. WG (kPa or Pa) | | |
| Fouling Factor, ft ² hr°F/Btu (m ² ·°C/W) | | |
| Design Pressure, psig or psia (kPa, Bar) | | |
| Design Temperature, °F or °C | | |

Materials of Construction

| | | |
|---|--|--|
| Shell Side (if applicable) | | |
| Tube Sheets | | |
| Tubing | | |
| Fins (if applicable) | | |
| Heads, Bonnets, Covers | | |
| Baffles (if applicable) | | |
| Connection Type (Flanged., MNPT, FNPT, Victaulic, Butt Weld, Other (specify)) | | |
| Gasket Material (if applicable) | | |

Code Compliance

| | | |
|------------------------|--|--|
| ASME | | |
| CRN (specify Province) | | |
| TEMA, specify class | | |
| API-614 | | |
| Other | | |

Specify any size restrictions _____

Type of Unit Desired (for Shell & Tube)

Straight Tube or U-Tube Removable Bundle
 Fixed Tube Sheet or Floating Tube Sheet

Additional Notes _____

