**HEAT EXCHANGER**

**Design Questionnaire**

|  |  |  |  |
| --- | --- | --- | --- |
| Date | 6/14/2018 | Company |  |
| Site |  | Address |       |
| Contact |       | Phone |       |
| Title |       | Fax |       |
| Email |       | Fluid Type:       |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Hot Fluid** | **Units of Measure** | **Cold Fluid** |
| Temperature – Inlet |       | F |       |
| Temperature – Outlet |       | F |       |
| Flow Rate through the heat exchanger/cooler |       | GPM |       |
| Maximum permissible pressure drop |       | psig |       |
| Maximum working pressure |        | psig |       |

**If fluid is not common, please fill in the following:**

|  |  |  |
| --- | --- | --- |
| Properties @ temperature | **Hot Fluid** | **Cold Fluid- COOLING WATER** |
| **T1=** | **T1=** | **T2=** | **T3=** | **T2=** | **T3=** |
| Density,lb/ft3 (Kg/m3) |       |  |  |  |  |  |
| Specific Heat,Btu/lbm-F(KJ/Kg-°K) |       |  |  |  |  |  |
| Thermal Cond.,Btu/ht-ft-F(W/M-°K) |       |  |  |  |  |  |
| Viscosity,cp |       |       |       |       |       |       |

**Nature of solids in fluid (i.e. silt, fiber, powder, etc.):** **N/A**

Sentry Equipment Corp | 966 Blue Ribbon Circle North | Oconomowoc, WI 53066 U.S.A.

+1-262-567-7256 | **sentry-equip.com**

**Preferred Materials:**

 **Tube Side:** [ ]  Standard [ ]  Other
**Shell Side:** [ ]  Standard [ ]  Other

**Additional Information:**

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