**SAMPLE COOLER**

**Application Guide**

|  |  |  |  |
| --- | --- | --- | --- |
| Date |  | Company |  |
| Site |  | Address |  |
| Contact |  | Phone |  |
| Title |  | Fax |  |
| Email |  | | |

|  |  |  |
| --- | --- | --- |
| Description & Chemical Composition | **Hot Fluid** | **Cold Fluid** |
| Temperature – Inlet | °F (°C) | °F (°C) |
| Temperature – Outlet | °F (°C) | °F (°C) |
| Flow Rate | GPM (Kg/hr) | GPM (Kg/hr) |
| Maximum permissible pressure drop | psi | psi |
| Maximum working pressure | psi | psi |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Properties @ temperature | **Hot Fluid** | | | **Cold Fluid** | | |
| **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.):**

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

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

**Preferred Materials:**

**Shell:**  Carbon Steel  Stainless Steel  Other

**Tube Side:**  316  304  Hastelloy  Inconel  Other

**Additional Information:**

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