Process fluid flows inside the tubes (every application specifically designed for the client)

Water is continuously sprayed over the tubes and flows via gravity through the tube bundle into the collection basin for recirculation

Heat from the tube side fluid is transferred to the cascading water

Heat is released from the cascading water to the air stream also flowing downward over the tubes. This occurs by both thermal and mass transfer

The air stream is forced to turn upward by the induced draft fan providing maximum free water removal (net result is minimal drift)

Call us today! 716-824-1098
**Benefits and advantages over a Cooling Tower**

- Lower Installed First Cost
- Less Pump HP
- Single Source System Responsibility
- Lowest Attainable Process Outlet Temperatures
- Built In Freeze Protection
- Eliminates Cooling Towers
- Inspection & Maintenance While On Line
- Lower Maintenance Costs
- Higher availability
- Engineered Materials of Construction Available
- Field Erection Available

**TYPICAL APPLICATIONS**

<table>
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<tr>
<th>Application</th>
<th>Temperature</th>
<th>Pressure</th>
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<tbody>
<tr>
<td>Liquid Cooling</td>
<td>up to 180 F</td>
<td>up to 300 PSIG</td>
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<tr>
<td>Vapor Condensing</td>
<td>up to 180 F</td>
<td>up to 300 PSIG/FV</td>
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<tr>
<td>Gas Cooling</td>
<td>up to 400 F</td>
<td>up to 300 PSIG</td>
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**Industries Served**

- Specialty Chemicals
- Oil and Gas
- Power Generation
- Pharmaceutical
- Pulp and Paper
- Food and Beverage
- Renewable Energy
- Water/Wastewater
- Refrigeration
- Metals

**Evaporative condensing/cooling**

- Low Quality Makeup Water Can Be Used
- Zero discharge processes
- Specialty heat transfer
- Close approach