Our Service and Support Promise

With hundreds of years of combined design experience in providing cooling solutions, our engineers understand cooling. Each product is manufactured with the highest quality components and tested to meet exacting specifications in our ISO-9001 certified facility.

We not only create quality, we invest in it as well. Our in-house, state-of-the-art testing station provides highly detailed and accurate monitoring of refrigerant superheat, sub-cooling, and discharge temperatures under a wide range of simulated operating conditions.

Supported by a global, 24-hour service network which extends to various points around the world, our products are backed by a warranty that refines industry standards. We continue to be distinctive in every product and service we offer to our customers.

All-Inclusive Parts & Service Packages Available

Partnering the quality of the KOOLANT KOOLERS® chiller with a superb preventative maintenance package will prevent downtime. Several levels of contracted service, from our Basic Start-up Package to our All-Inclusive Parts and Service Packages, are available on all systems for a nominal charge. The All-Inclusive Parts and Service Package carries the product from start-up, through preventative maintenance as well as all facets of chiller use, and also extends the warranty by 6 mo. (Continental US only).

We Promise and Provide:

• Exceptional designs that are tailored to meet the needs of our customers.
• Onsite parts - immediate availability on most parts & same day shipping.
• A vast service network, available 24 hrs a day and onsite within 24 hrs.
• Koolant Koolers trained technicians to provide all service.
### Protect Your Investment with a Koolant Koolers Chiller

Your equipment is a serious investment with critical purpose and high reliability needs. It requires heat removal to maintain precise and reliable temperature control and you can count on Koolant Koolers to satisfy all your heat management needs.

Koolant Koolers provides a fully standardized model line which has been designed for the exacting needs of your equipment. Our redundant models are specifically engineered for reliability, providing duplicate circuits with redundant capacities. The units are created with high quality components and the utmost precision controls, representing the latest in state-of-the-art technology. When combined with our service and support, the result is a comprehensive package unmatched in the industry. More than sixty years of experience speaks for itself.

### Typical Applications

Nearly any system can be designed with a redundant option.

Typical applications include:
- Laser
- Hydraulic
- Welding
- Printing Equip
- Jacket Cooling
- Food Processes
- Battery Back-up
- Data Centers

### Redundant Chiller Specification Options:

<table>
<thead>
<tr>
<th>Base Model</th>
<th>WO10000</th>
<th>WO15000</th>
<th>WO20000</th>
<th>WO30000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (Tons)</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>Pump HP x 2</td>
<td>5</td>
<td>7.5</td>
<td>5</td>
<td>7.5</td>
</tr>
<tr>
<td>GPM</td>
<td>30</td>
<td>30</td>
<td>35</td>
<td>35</td>
</tr>
<tr>
<td>PSI</td>
<td>60</td>
<td>60</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>Reservoir</td>
<td>72 gallons</td>
<td>72 gallons</td>
<td>100 gallons</td>
<td>100 gallons</td>
</tr>
<tr>
<td>Weight (lbs)</td>
<td>2000</td>
<td>1980</td>
<td>3000</td>
<td>3000</td>
</tr>
<tr>
<td>Dimensions (in)</td>
<td>120&quot; x 40&quot; x 106&quot;</td>
<td>120&quot; x 40&quot; x 106&quot;</td>
<td>120&quot; x 40&quot; x 106&quot;</td>
<td>120&quot; x 40&quot; x 106&quot;</td>
</tr>
</tbody>
</table>

Capacities measured at 55°F @ -20°F to +105°F - data available for other operating temperatures

Standard pump sizes quoted, other pump sizes available to meet all flow specifications

### The Value of Redundancy:

- **Ideal with varying heat loads:** In systems with varying heat loads, redundant chillers are ideal as they will only use half of the system at lower cooling demands making it very energy efficient. Both systems will come online only when demand requires it.
- **Longer component life:** Using individual modules only when the load requires it ensures a longer life of expensive components.
- **Easy expansion:** If expansion is on the horizon the purchase of a redundant chiller with double the capacity up front will be more affordable than the addition of a second chiller just down the road and redundant systems allow for easy expansion with the purchase of additional modules when the time comes.
- **Loss prevention:** With a redundant system a failure will result in a loss of only half of the systems cooling capacity.
- **Peace of mind:** Even when your application does not call for a redundant system, the minor price increase provides peace of mind that will more than pay for itself if a problem were to arise on a non-redundant system.

### Features:

- Dual refrigeration circuits
- Redundant fluid pumps with automatic switchover
- Water/glycol single fluid circuit system
- Quiet operation and energy efficient design
- Removable panels - easily serviced with ready access to interior components
- UL standard, CE and CSA available upon request
- Remote monitoring package available

### N+1: Modular Chillers with Redundancy - choose your capacity:

The capacity of a fully redundant unit is based on the number of modules in line and the capacity of the individual modules. The modules can be built to any design specifications but most come in modules of 15 tons, 30 tons, 40 tons or 60 tons. The total capacity of the system is virtually limitless. By adding one more module than the capacity requires, redundancy is achieved; hence N+1.

For example: A unit with three 20 ton modules has a total capacity available of 60 tons. If the unit cycles through the modules continually, in order to retain the life of components or meet the needs of a varying heat load, the redundant capacity of this unit would be two of the three modules or a redundant capacity of 40 tons at any time, with 100% uptime. Expanding to 60 tons of redundant capacity only requires the addition of one module.