Chiller That Grows with Your Cooling Needs

Modular pressurized chiller system, water or air cooled, with integral pump, reservoir and header piping in each module provides a self-contained, yet scalable system. The control system’s design permits a single module to operate as a stand-alone chiller with the ability to add modules and a master controller as cooling capacity needs grow. The oxygen-free system prevents evaporation and biological growth in water-only systems, limits acid build-up to extend coolant life for water-glycol systems. The series is configurable to support N+1 system designs.

Product Features
- Pressurized system enables adding pumps and reservoirs without field retrofitting balancing systems
- Capacities from 60,000 BTU/hr to 720,000 BTU/hr per module
- Water or Water/Glycol Operations
- Dual refrigeration circuits in each module with multiple scroll compressors for improved uptime through redundancy (40 tons & larger)
- Energy efficient controls automatically match system cooling output to part-load demand
- Master control with independent pressure and flow sensors for process level control and alarms
- Individual modules provide local control and alarms
- Multiple building communication protocols available

BASE CONFIGURATION
- Scroll Compressors
- Pump in Each Module
- Ferrous & Non-ferrous wetted surfaces
- Expansion Tank
- Manual Bypass Valve
- Header Flange Connections
- Pressurized Tank
- Pressure Gauge
- UL 1995
- 18 Month Warranty

OPTIONS*
- Non-ferrous Wetted Surfaces
- Stainless Steel Wetted Surfaces
- Master Controller (with sensors) for N+1 systems
- Remote Display
- Auto Make-up Valve
- Motorized Hot Gas Bypass
- Flow and Pressure Pump Upgrades
- cUL Certification
- Service/Maintenance Packages

*Not all options are available in all sizes.
<table>
<thead>
<tr>
<th>MODEL</th>
<th>CAPACITY 65ºF fluid setpoint and 95ºF ambient</th>
<th>CAPACITY 44ºF fluid setpoint and 100ºF ambient</th>
<th>VOLTAGE</th>
<th>FLA&lt;sup&gt;a&lt;/sup&gt;</th>
<th>COMPRESSOR</th>
<th>INLET/OUTLET PORT SIZE</th>
<th>TANK CAPACITY</th>
<th>UNIT DIMENSIONS (L<em>W</em>H)</th>
<th>CRATED WEIGHT</th>
<th>PUMP STANDARD</th>
<th>PUMP PRESSURE 50 PSI UPGRADE&lt;sup&gt;b&lt;/sup&gt;</th>
<th>PUMP FLOW UPGRADE&lt;sup&gt;c&lt;/sup&gt;</th>
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Fluid temperatures and ambients can vary. Consult factory for the effect on capacity.

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<sup>a</sup> Estimation, does not include pump upgrade

1) Pump Standard - Centrifugal pump providing the minimum flow requirements for the chiller.

2) Pump Pressure PSI Upgrade - in higher pressure applications this option is selected to allow pressure up to 75 psi. Pressure relief bypass must be added with this option.

3) Pump Flow Upgrade - allows for increased amount of flow; please note the PSI may change with the flow changes.

Additional Options:

Auto Water Fill - automatically maintains the water level of the reservoir. Customer needs to supply pressurized water line to the automatic valve.

Motorized Hot Gas Bypass - provides tighter temperature control of process fluid temperature; prevents short cycling due to low cooling loads.

Phase Monitor - monitors the incoming voltage and phase imbalance between the incoming legs of power.

Master Remote Box - Remotely mounted master control box. 1 is required when using 2 or more modules.

Voltage - transformers and fusing installed to get noted incoming voltage.

CSA Compliant - Chiller is built to CSA specification but is not labeled. CSA inspection is required to be CSA certified. Model number changes from “-M” to “-MC-M”