

CCC-WT Series Central Chilling Stations

The new and improved CCC-WT Series central chilling stations provide simply the best central chiller on the market today from 30 through 100 tons. Complete with scroll compressors, PLC microprocessor and touch screen control, stainless steel tank and brazed plate evaporators. Independent refrigerant circuits allow routine maintenance without costly downtime and compressor staging provides energy saving capacity control.

Note: Remote condensers are not to be used indoors.

Standard Features

- **Scroll Compressors:** The latest in rotational compression technology, hermetically-sealed scroll compressors use 50% fewer moving parts than reciprocating compressors resulting in unparalleled efficiency, reliability, and noise reduction.
- **Interior Stainless Steel Reservoir (Dual Well):** 100% non-ferrous stainless steel tank eliminates the need for routine tank maintenance. ½" tank insulation (other sizes available – consult factory).
- **Generously Sized Process and Recirculation Pumps:** Optional dedicated standby pumps allow longer life (with automatic motor cycling) and reduced downtime due to pump maintenance and repair. Check valves allow automatic switchover (manual closing not required).
- **Full Size Lug Style Butterfly Valves:** Allows complete servicing of one circuit while other(s) remain online.
- **Automatic Water Makeup Valve with Baffle:** Automatically adds water to the system to maintain desired level.
- **Welded Steel Frame:** One-piece construction is perimeter-welded to minimize vibrations and includes convenient fork lift slots for easy maneuvering.
- **Brazed Plate Evaporators:** Very compact and efficient stainless steel units.
- **Cleanable Shell and Tube Condensers:** With the epoxy-coated heads easily accessible from the front of the unit, scale and fouling buildup can be removed quickly and easily.
- **Water Regulating Valve (Water-cooled units):** Regulates the flow of water through the condenser for stable system operation (scroll only).
- **Hour Meters:** Compressor and pumps
- **Branch Fusing:** Provides additional protection for individual motors.
- **Compressor Phase Protection**
- **Audible/Visual Alarm Indication**
- **Refrigerant:** R22



Configurations Available

- Option 1 – Pinnacle Series
- Option 2 – Vertically stacked
- Option 3 – Side by side

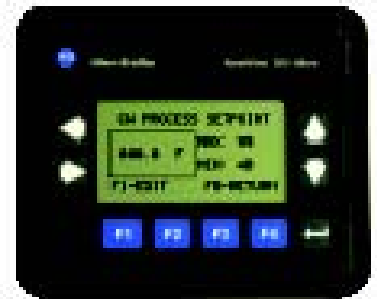
Note: Due to shipping restrictions, options 2 and 3 will be shipped in two sections. Field assembly and interconnecting piping are required.

Optional Features

- Pumps – up to 2 process and 2 recirculation mounted on unit
- Through the Door Disconnect: Padlockable handle provides convenient local power disconnection for electrical service
- Dedicated standby pumps
- Pressure and flow transducers
- Condenser manifold on water-cooled units to allow single point connection

Standard PLC Screen (Allen-Bradley Micrologix 1500 with PanelView 300 Micro)

- Control 2 or 4 compressors in 2 circuits.
- Alarm condition indicators for safety devices including motor overloads (compressor or pump), flow switches, freezestats, refrigerant pressures, voltage/phase sensor, high and low temperature alarms.
- Hour meters to accumulate run time in compressors and/or pumps.
- Chilled water pumps: Variable 1 to 3 process pumps and 1 or 2 recirculation pumps. In systems with multiple pumps, they may be altered at specific intervals.
- Control of Winter Cooler pump.
- Network capable over DH-485 to communicate with a chiller with the Allen-Bradley control package.

**Advanced PLC Screen (Allen-Bradley SLC 5/04 with PanelView 1000)**

- Cooling Tower Fans: 1 to 4 fans controlled with PID algorithm. Operator may choose to alternate fans at specific intervals.
- Cooling Tower Pumps: Variable 1 to 4 process pumps and 1 to 3 recirculation pumps. In systems with multiple pumps, they may be alternated at specific intervals.
- Alarm condition indicators for safety devices including motor overloads (compressor or pump), flow switches, freezestats, refrigerant pressures, voltage/phase sensor, high and low temperature alarms.
- Hour meters to accumulate run time in compressors and/or pumps.
- Chilled water pumps: Variable 1 to 3 process pumps and 1 or 2 recirculation pumps. In systems with multiple pumps, they may be altered at specific intervals.
- Control of Winter Cooler pump.
- Network capable over DH-485 to communicate with a chiller with another Allen-Bradley control package or Standard control package.



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