



# Application Engineering®

## PROVIDING SOLUTIONS, NOT JUST EQUIPMENT



### R SERIES CENTRAL CHILLING STATIONS

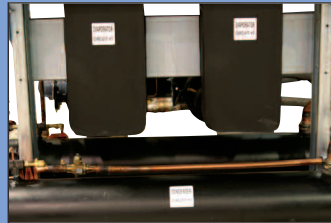
The newest line of central chillers from AEC incorporates the latest in refrigeration technology - rotational compression.

### R SERIES - 30 TO 100 TONS

- Hermetically sealed scroll compressors
- Stainless steel brazed plate evaporators
- Shell & tube condensers with water regulating valves (water cooled)
- Fin & tube condensers with -20°F ambient operation (remote air cooled)
- HFC-410a refrigerant
- All refrigerant safeties



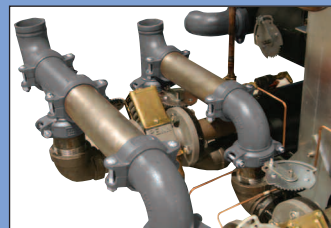
Single or tandem high efficiency scroll compressors



Stainless steel brazed plate evaporator



Close-up of the inside electrical panel



Optional water-cooled condenser manifold



## RC SCROLL COMPRESSOR CHILLERS

[www.aecinternet.com](http://www.aecinternet.com)



## STANDARD PLC SCREEN

(ALLEN BRADLEY MICROLOGIX 1500 WITH PANELVIEW 300 MICRO)

- Control up to 4 compressors in 1 or 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 or pumps
- Chilled water pumps: Variable 1 to 3 process pumps and recirculation pumps. In systems with multiple pumps, they may be altered at specific intervals.
- Network capable over DH-485 to communicate with a chiller with the Advanced Control Package



## ADVANCED PLC SCREEN

(ALLEN BRADLEY SLC 5/04 WITH PANELVIEW 1000)

- Cooling Tower Fans: Variable 1 to 4 fans, to be controlled with PID algorithm. Operator may choose to alternate the fans at specific intervals
- Cooling Tower Pumps: Variable 1 to 3 process pumps and recirculation pumps. In systems with multiple pumps, they may be alternated at specific intervals
- Chemical Feed Pumps: The software may control up to 2 chemical feed pumps. Chemical feed pumps will be operated such that the pump will run for a designated time at each completion of a specified time
- 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 or pumps
- Chilled water pumps: Variable 1 to 3 process pumps and recirculation pumps. In systems with multiple pumps, they may be altered at specific intervals
- Network capable over DH-485 to communicate with a chiller with another Advanced Control Package or Standard Control Package

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AEC is committed to a continuing program of product improvement. Specifications, appearances and dimensions are subject to change without notice.

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