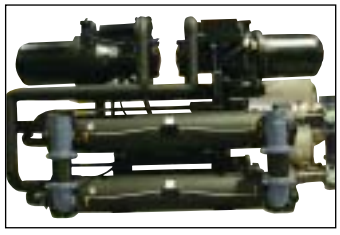
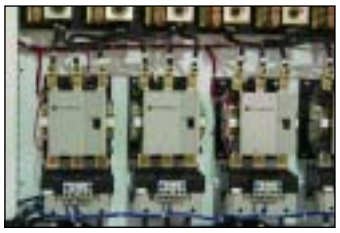
RS SERIES

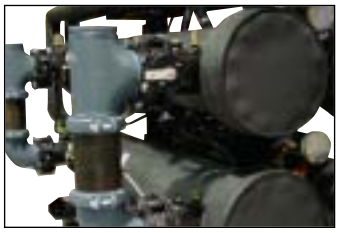
R-134A SCREW COMPRESSOR CHILLERS



Back view of the R-134a Screw Compressor Chiller



Close-up of the inside electrical panel



Evaporator manifold terminated in victaulic coupling.

Optional condenser set up with victaulic coupling

R SERIES CENTRAL CHILLING STATIONS

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

RS SERIES - 60 TO 195 TONS

- *Semi-hermetic screw compressors*
- *Stainless steel brazed plate evaporators (60 & 75 tons)*
- *Shell & tube evaporators (90-195 tons)*
- *Cleanable shell & tube condensers (water cooled)*
- *Fin & tube condensers with -20ºF ambient operation (remote air cooled)*
- *Electronic expansion valves*
- *R-134a refrigerant*
- *All refrigerant safeties*

R-134a complies with the Montreal Protocol as a non-CFC refrigerant. This refrigerant operates at lower pressures, therefore reducing the amount of energy consumed. Under full load conditions, the RS shows an increase in the Energy Efficiency Rating (EER) of 12%, which translates into an average savings of $5,200 operating costs over R-22 chillers.[1]

[1] *Based on operating the chiller 4,000 hours per year and have an electrical cost of $0.08/kWh.*

801 AEC Drive
Wood Dale, IL 60191 USA
Tel. 630.595.1060 Fax 630.595.6641

www.aecinternet.com

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AEC is committed to a continuing program of product improvement.

Bulletin AE3-130A

Specifications, appearances and dimensions are subject to change without notice.

Printed in USA

CONTROLLERS

STANDARD AND ADVANCED

STANDARD PLC SCREEN
(Allen Bradley Micrologix 1500 with PanelView 300 Micro)

- *Control up to 2 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 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 3 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*
- *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 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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