Evapcold is manufactured in Greenup, IL, in a new 100,000 sq. ft. building dedicated to the manufacturing of quality heat transfer products for a wide range of applications:

- Power
- Commercial HVAC
- Industrial Refrigeration
- Industrial Process
- Food & Beverage
- Chemical Plants
- Manufacturing
- Cooling Coils
- Produce
- Loads
- Banana Room
- Ice Rinks
- Wineries
- Dairies
- Plants
- &

L.C.R-C Chiller for food ingredient process application

Indoor chemical plant application without enclosure

Outdoor manufacturing plant application with enclosure and adiabatic cooler

Front view showing compressor package, unit power panel and HMI

Performance testing of 300 TR Dual Compressor LCR-C-LD

Visit us on the web to learn more: evapco.com/products/evapcold

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Visit EVAPCO’s Website at evapco.com
The Evapcold® Low Charge Refrigeration Chiller (LCR-C) provides owners with a natural refrigerant, packaged solution and single-source responsibility in design, performance and operation. The LCR-C provides chilled secondary fluid to serve many diverse applications:

- Over 200 Pre-Engineered Chiller Models
- Less Than 1.0 LB/TR Ammonia Charge
- 20 TR to 400 TR Capacity
- 5°F to 50°F Fluid Temperatures

**Environmentally Friendly & Energy Efficient**

- Environmentally friendly NH3 refrigerant - Zero ODP and Zero GWP
- Plate & frame evaporator and condenser provide easy maintenance
- IIAR-2 code compliant and fully tested by EVAPCO
- Mount on ground or roof, indoors or outdoors
- Faster installation, complete factory built modules, and many available accessories, allow for rapid deployment. Units can be installed on a concrete pad or steel frame, indoors or outdoors, at grade or on the roof.

**Quick & Easy Design**

- With over 200 models available, the Evapcold LCR-C product line will meet your project needs!

**Simple Startup & Robust Operation**

- Product line factory testing paves the way to easy startup and operation. Evapcold onsite ACES training, unit startup supervision and expansive documentation give operators the tools to succeed with Evapcold.

**Optional accessories include:**

- Chilled fluid pump, valves & bypass for chilled loop
- Chilled fluid In, Chilled fluid Out
- Cooling Fluid In, Enthalpy (H) of evaporator
- Compressor
- Condenser
- Expansion
- Pressure (P)

**LCR-C Chiller Features**

- Completely piped, wired and insulated for plug-and-play installation
- Inherently safe to use - very low NH3 charge
- Environmentally friendly NH3 refrigerant - Zero ODP and Zero GWP
- Eliminates ammonia in refrigerated space
- Great for docks, coolers, process & HVAC
- Cost effective means to serve multiple rooms or cooling loads
- Mount on ground or roof, indoors or outdoors
- IAAR-2 code compliant and fully tested by EVAPCO
- Robust industrial grade construction including stainless steel piping

**Benefits of Evapcold LCR-C Chillers**

- Inherently safe to use - very low NH3 charge
- Completely piped, wired and insulated for plug-and-play installation
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**Chilled Fluid In**

**Chilled Fluid Out**

**Cooling Fluid In**

**Heated Fluid In**

**Heated Fluid Out**

**Optional complete reach-in enclosure**

- With access doors on all sides. Includes ventilation, lighting and ammonia detection. Perfect for outdoor installation. Also available without enclosure for indoor location.

**Optional accessories include:**

- Hot Gas Bypass (Shown in yellow)
- Cold Weather Kit (Site below 32°F)
- Compressor Isolation Valves
- Rigging Davit for Compressor and Motor Removal

**Microprocessor control with touch screen interface and remote monitoring capabilities**

**Power panel includes starters and single point 460V electrical connection**

**Variable speed screw compressor for very efficient capacity control and part load operation**

**High efficiency Plate & Frame™ flooded evaporator**

**Water-cooled Plate & Frame™ condenser for superior energy efficiency**

(*P&F located on the opposite side)
Optional accessories include:

• 20 TR to 400 TR Capacity

The LCR-C provides chilled secondary fluid to serve many diverse applications: in design, performance and operation.

from the condenser & oil cooler

bypass for chilled loop

Chilled fluid pump, valves & interface and remote monitoring capabilities

Microprocessor control with touch screen

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• Mount on ground or roof, indoors or outdoors

• Eliminates ammonia in refrigerated space

* Depending upon unit model and optional accessories  **Heated fluid system is optional

Benefits of Evapcold LCR-C Chillers

Quick & Easy Design
Pre-engineered and factory tested models in (3) product families that allow for fast and accurate project designs and installations. With over 200 models available, the Evapcold LCR-C product line will meet your project needs!

Faster Installation
Complete factory built modules, and many available accessories, allow for rapid deployment. Units can be installed on a concrete pad or steel frame, indoors or outdoors, at grade or on the roof.

Simple Startup & Robust Operation
Product line factory testing paves the way to easy startup and operation. Evapcold onsite ACES training, unit startup supervision and expansive documentation give operators the tools to succeed with Evapcold.

Environmentally Friendly & Energy Efficient
Evapcold LCR-C’s use ammonia, a natural refrigerant with zero ODP and GWP. As a result, Evapcold units are future-proof and more energy efficient than comparable chillers using other refrigerants.

Numerous Optional Accessories
On-board pumps, heat reclaim, hot gas bypass, and more - Evapcold LCR-C’s can be outfitted to meet your application needs, all direct from the factory!

Ease of Maintenance
Common package designs, reach-in access, and complete operating and maintenance procedures provided by Evapco all allow for easy training and maintenance!