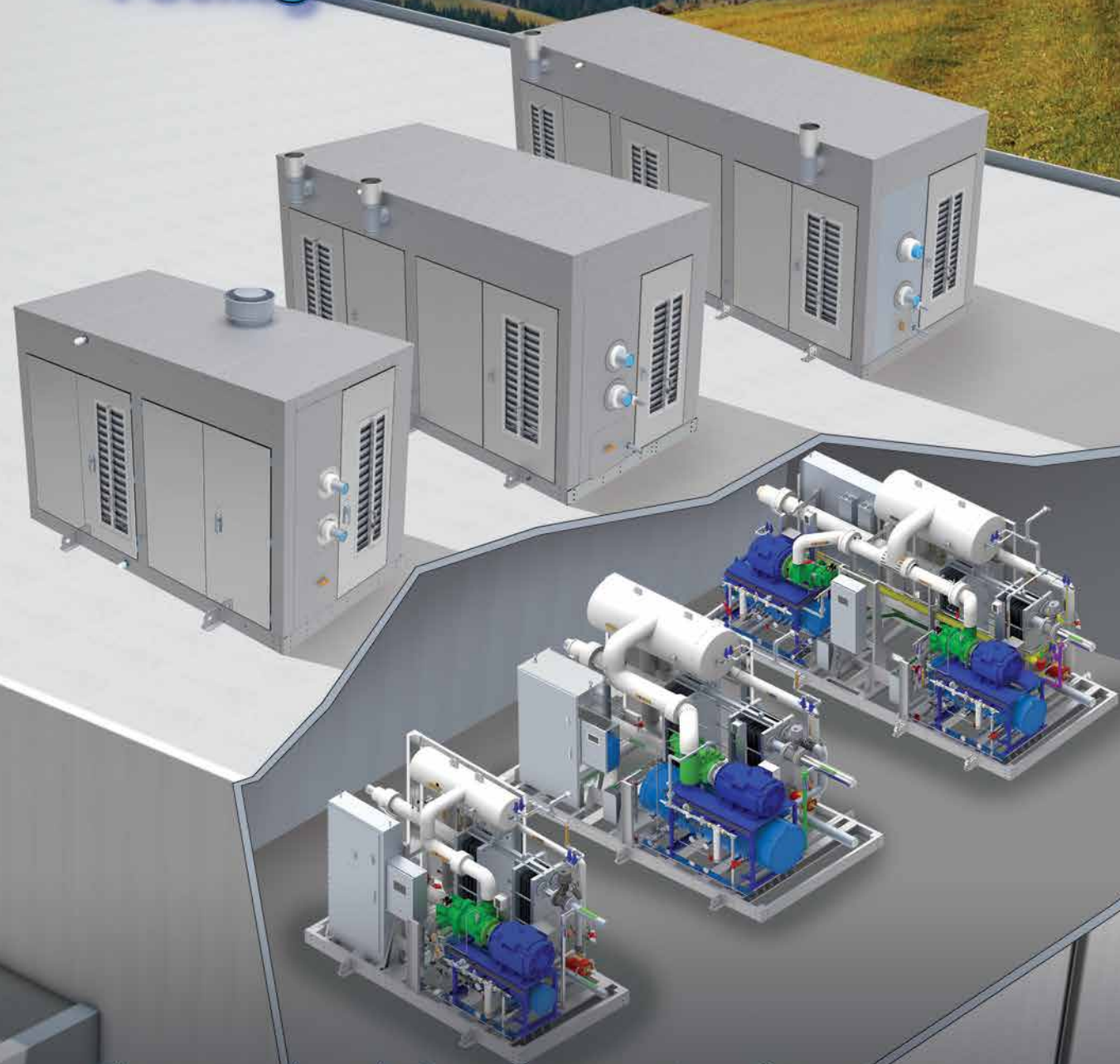




Low Charge Packaged Ammonia Chillers



The natural evolution of ammonia refrigeration



for LIFE An Employee Owned Company



for LIFE

Simple Operation. Premium Efficiency. Guaranteed Performance.



LCR-C Chiller for food ingredient process application



Indoor chemical plant application without enclosure



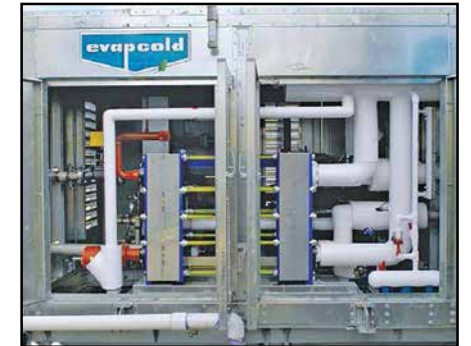
Outdoor manufacturing plant application with enclosure and adiabatic cooler



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



Front view showing compressor package, unit power panel and HMI



Rear view showing plate and frame heat exchangers, piping and oil pot

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

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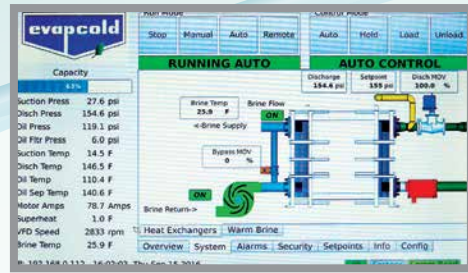


The Natural Leader in Complete Self-Contained Low Charge Ammonia Refrigeration Systems

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

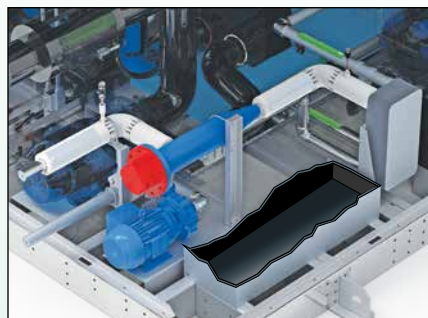


Microprocessor control with touch screen interface and remote monitoring capabilities

Optional accessories include:



Chilled fluid pump, valves & bypass for chilled loop



Heat recovery – heated fluid loop for coil defrosting, reheat or underfloor warming by recovering waste heat from the condenser & oil cooler



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

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

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
- IIR-2 code compliant and fully tested by EVAPCO
- Robust industrial grade construction including stainless steel piping
- Plate & frame evaporator and condenser provide easy maintenance and expandability

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





Product Line Overview

LCR-C-SS Models

Small Capacity
Single Compressor Models
20 to 130 TR @ 22°F glycol
Up to 150 TR @ 44°F CW
6' 8" W x 13' L x 9' H
8,650 to 16,650 lbs.*



LCR-C-LS Models

Large Capacity
Single Compressor Models
150 to 250 TR @ 22°F glycol
Up to 400 TR @ 44°F CW
8' 4" W x 17' 9" L x 10' 4" H
19,200 to 30,350 lbs.*

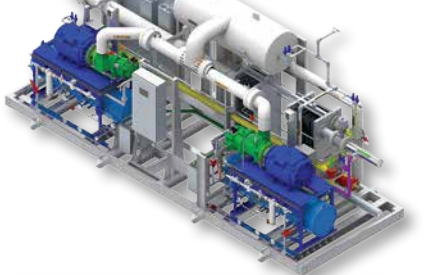
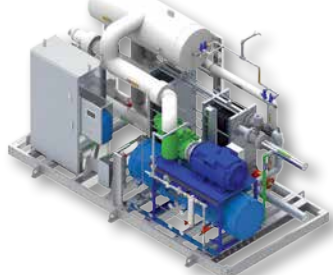


LCR-C-LD Models

Large Capacity
Dual Compressor Models
60 to 250 TR @ 22°F glycol
Up to 400 TR @ 44°F CW
8' 4" W x 24' 3" L x 10' 4" H
21,800 to 36,700 lbs.*



■ Chilled Fluid Out ■ Heated Fluid Out** ■ Cooling Fluid Out
■ Chilled Fluid In ■ Heated Fluid In** ■ Cooling Fluid In



* Depending upon unit model and option 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!



EVAPCO Global Headquarters, Taneytown, Maryland USA

Since its founding in 1976, EVAPCO, Incorporated has become an industry leader in the engineering and manufacturing of quality heat transfer products around the world. EVAPCO's mission is to provide first class service and quality products for the following markets:

- Industrial Refrigeration
- Commercial HVAC
- Industrial Process
- Power

These quality products now include a complete line of low charge ammonia chiller products. Evapcold is manufactured in Greenup, IL, in a new 100,000 sq. ft. building dedicated to the assembly of all components required for the Evapcold system. The Evapcold manufacturing operation utilizes a lean assembly line process which allows fabrication and assembly at the highest quality and shortest lead time.



Evapcold Manufacturing, Greenup, IL



Evapcold LCR-C Chillers coming down the assembly line

LCR-C Chillers are the Ideal Solution for a Wide Range of Applications

Cooler & Dock Cooling Coils

Produce & Banana Room Cooling Coils

Food & Beverage Manufacturing Plants

Process Cooling Loads

Dairies & Wineries

Pharmaceutical

Chemical Plants & Industrial Process

Ice Rinks