

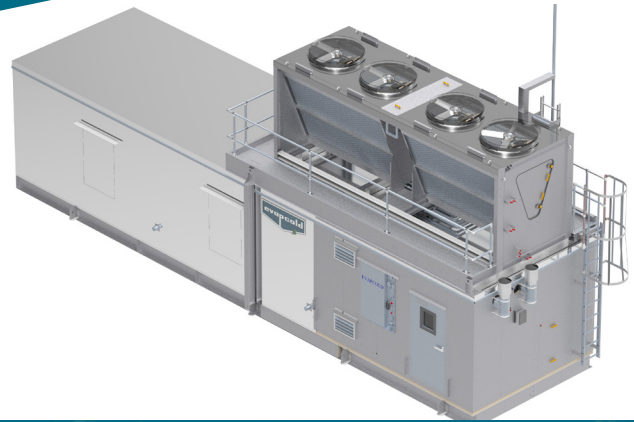


Packaged Low Charge Ammonia Refrigeration Systems



Commercial HVAC | Industrial Refrigeration |
Power Generation | Industrial Process

Penthouse Units (LCR-P)

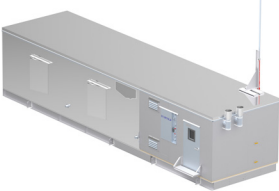
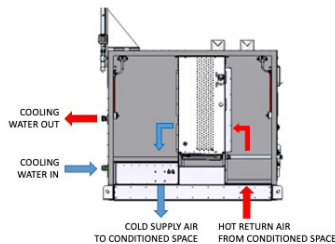

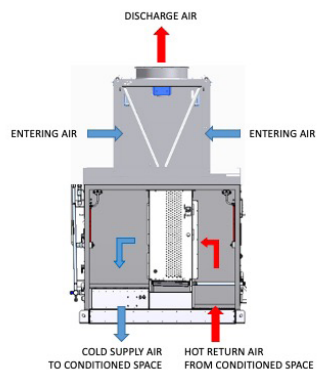


- Very low ammonia charge
- Walk-in machine room rated as occupied space
- Hot gas or air defrost depending on room temp
- Very energy efficient and reliable 1.2:1 liquid recirculation rate
- Low energy consumption with compressor suction continuously matched to room and negligible piping losses

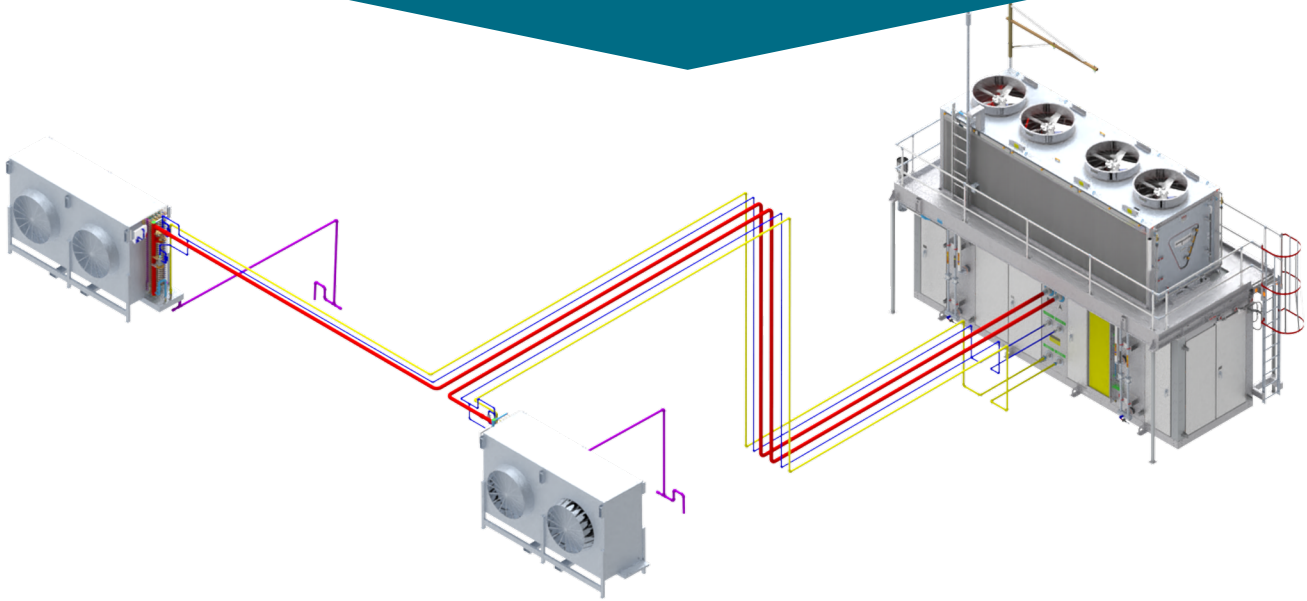
- Many accessories, including dual compressors for increased redundancy
- Great match for large freezers, coolers, convertible rooms and docks

Capacity Ranges:

- 15 to 70 TR at (-) 10°F Room
- 15 to 100 TR at (+) 40°F Room

LCR-P Models	Applications	Features	Principle of Operation
<p>LCR-P Water-Cooled Penthouse</p> 	<ul style="list-style-type: none"> • Applications where energy efficiency is the primary driver. • Facilities near regulatory thresholds which require minimum ammonia charge. • Sites with low wet-bulb temperatures. 	<ul style="list-style-type: none"> • Water-cooled units have lowest energy consumption of product line. • Very low ammonia charge. 	
<p>LCR-P Air-Cooled and Adiabatic Penthouse</p> 	<ul style="list-style-type: none"> • Great solution where no, or limited, field piping is a benefit such as expansions, remote loads or large facilities with many units. • Locations where water is limited, unavailable, or expensive. • Project schedules that require fastest installation and start-up. 	<ul style="list-style-type: none"> • Limited or no water usage. • True "plug-&-play" functionality. • Available with adiabatic pads for increased capacity and improve energy efficiency during peak ambient and loads. 	


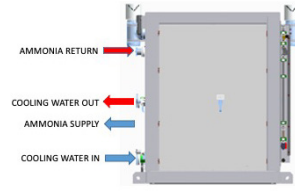
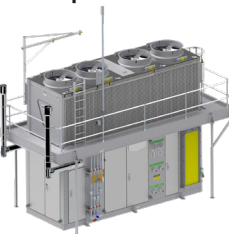
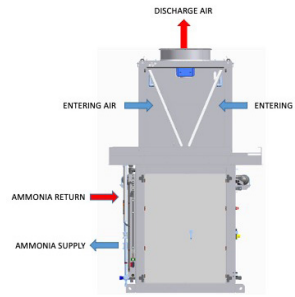
Split System Units (LCR-S) – Phase 1



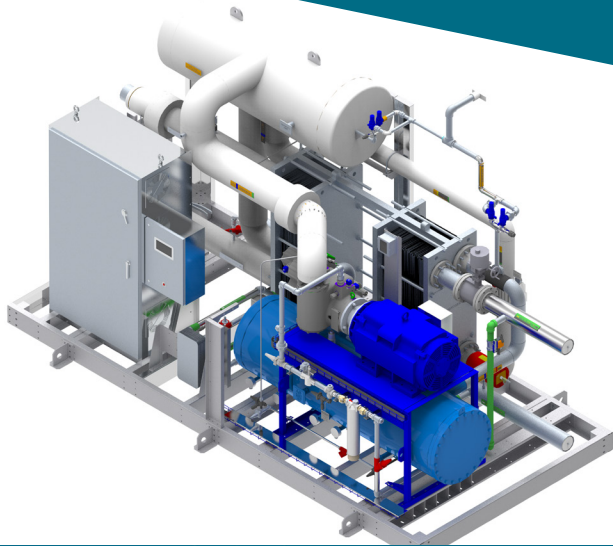
- Very low ammonia charge
- Reach in enclosure with ammonia detection and ventilation
- Pair with EVAPCO SST ceiling hung or penthouse evaporators
- Hot gas or air defrost depending on room temp
- Very energy efficient and reliable 1.2:1 liquid recirculation rate
- Many accessories, including dual compressors for increased redundancy
- Low energy consumption with compressor suction continuously matched to room and very little piping losses
- Reduced weight compared to LCR-P making it a great solution for retrofits

Capacity Ranges:

- 15 to 85 TR at (-) 10°F room
- 15 to 100 TR at (+) 40°F room

LCR-S Models	Applications	Features	Principle of Operation
<p>LCR-S Water-Cooled Split</p> 	<ul style="list-style-type: none"> • Applications where energy efficiency is the primary driver. • Facilities near regulatory thresholds which require minimum ammonia charge. • Sites with low wet-bulb temperatures. 	<ul style="list-style-type: none"> • Water-cooled units have lowest energy consumption of product line. 	
<p>LCR-S Air-Cooled and Adiabatic Split</p> 	<ul style="list-style-type: none"> • Locations where water is limited, unavailable or expensive. • Project schedules that require fast installation and start-up. • Large facilities with many units. 	<ul style="list-style-type: none"> • Limited or no water usage. • Available with adiabatic pads for increased capacity and improve energy efficiency during peak ambient and loads. 	




Chiller Units (LCR-C)



- Very low ammonia charge
- All ammonia contained in the package
- Optional reach in enclosure (standard on air-cooled) with lighting and ammonia detection
- Robust industrial grade construction including stainless steel piping and galvanized structural steel frame and supports
- Many accessories, including dual compressors, chilled fluid pumps and heat reclaim

Capacity Ranges:

- 20 to 175 TR at 5°F glycol with air-cooled
- 20 to 225 TR at 5°F glycol with water-cooled
- 20 to 250 TR at 22°F glycol with air-cooled
- 20 to 300 TR at 22°F glycol with water-cooled
- 25 to 280 TR at 44°F water with air-cooled
- 25 to 400 TR at 44°F water with water-cooled

LCR-C Models	Applications	Features	Principle of Operation
<p>LCR-C Water-Cooled Chiller</p> 	<ul style="list-style-type: none"> • Can be installed outdoors or indoors and mounted on ground or on the roof. • Sites with low wet-bulb temperatures • Applications where maximum energy efficiency is the primary driver. • Maximum capacity per pound of refrigerant. 	<ul style="list-style-type: none"> • Water-cooled units have lowest energy consumption of product line. • NH3 charge usually less than 1 lb/TR. 	
<p>LCR-C Air-Cooled and Adiabatic Chiller</p> 	<ul style="list-style-type: none"> • Locations where water is limited, unavailable or expensive • Project schedules that require fast installation and start-up. 	<ul style="list-style-type: none"> • Limited or no water usage. • True "plug-&-play" functionality. • Available with adiabatic pads for increased capacity and improve energy efficiency during peak ambient and loads. 	