LC evaporative condenser

REDUCED REFRIGERANT CHARGE • LOWER ENERGY CONSUMPTION
Patent-pending heat transfer technology

The Recold LC Evaporative Condenser is an induced-draft counterflow evaporative condenser utilizing patent-pending heat transfer technology. Its unique design reduces refrigerant charge and lowers energy consumption versus conventional evaporative condensers while offering installation and maintenance advantages.

LC Evaporative Condenser Operation:

1. Refrigerant vapor enters the heat transfer coil and is condensed to a liquid as heat is removed.
2. Recirculating water is pumped from the collection basin to the pressurized distribution system and is distributed over the coils.
3. Recirculating water flows over the outside of the coil tubes, removes heat from the refrigerant, and flows onto the fill media below the coil.
4. Air induced through the condenser evaporates a small portion of the recirculating water, rejecting heat to the atmosphere.
Installation / Maintenance Advantages

- Single piece installation
- Factory installed controls
- Factory wired and tested
- Multiple access doors
- Corrosion resistant copper coil
- Low-clog spray system
- Field module fit-up
- External VFD
- Belt tightening
- Bearing greasing
- Tools required for access doors

Direct Drive EC Fans

- Electronically commutated (EC) fan motors
- Integral speed control
- No routine maintenance
- High efficiency, low sound

Copper Heat Exchange Coil

- Longer equipment life
- Greater thermal efficiency
- Superior corrosion resistance
- Lighter weight
- Recyclable

IS THE RECOLD LC RIGHT FOR YOUR APPLICATION?

The Recold LC is well-suited for condensing halogenated refrigerants in supermarket refrigeration systems, small refrigerated warehouses and modular HVAC applications. Advantages versus conventional evaporative condensers include:

- Up to 40% reduction in refrigerant charge
- Up to 50% reduction in condenser fan energy

Note 1- Nominal Tons denote evaporator capacity for R134a at a 105°F condensing temperature, a 40°F suction temperature and a 78°F entering wet-bulb temperature.
OTHER SPX COOLING TECHNOLOGIES PRODUCTS

SPX Cooling Technologies offers a full line of industry leading products – with unmatched support and innovation designed to help you get the most out of your cooling process. Take a look at these other products at spxcooling.com.

Recold JC
Evaporative Condenser

Marley LW
Fluid Cooler

Recold JW
Fluid Cooler

Marley Cube
Evaporative Condenser