

LC evaporative condenser

REDUCED REFRIGERANT CHARGE • LOWER ENERGY CONSUMPTION

RECOLD® 

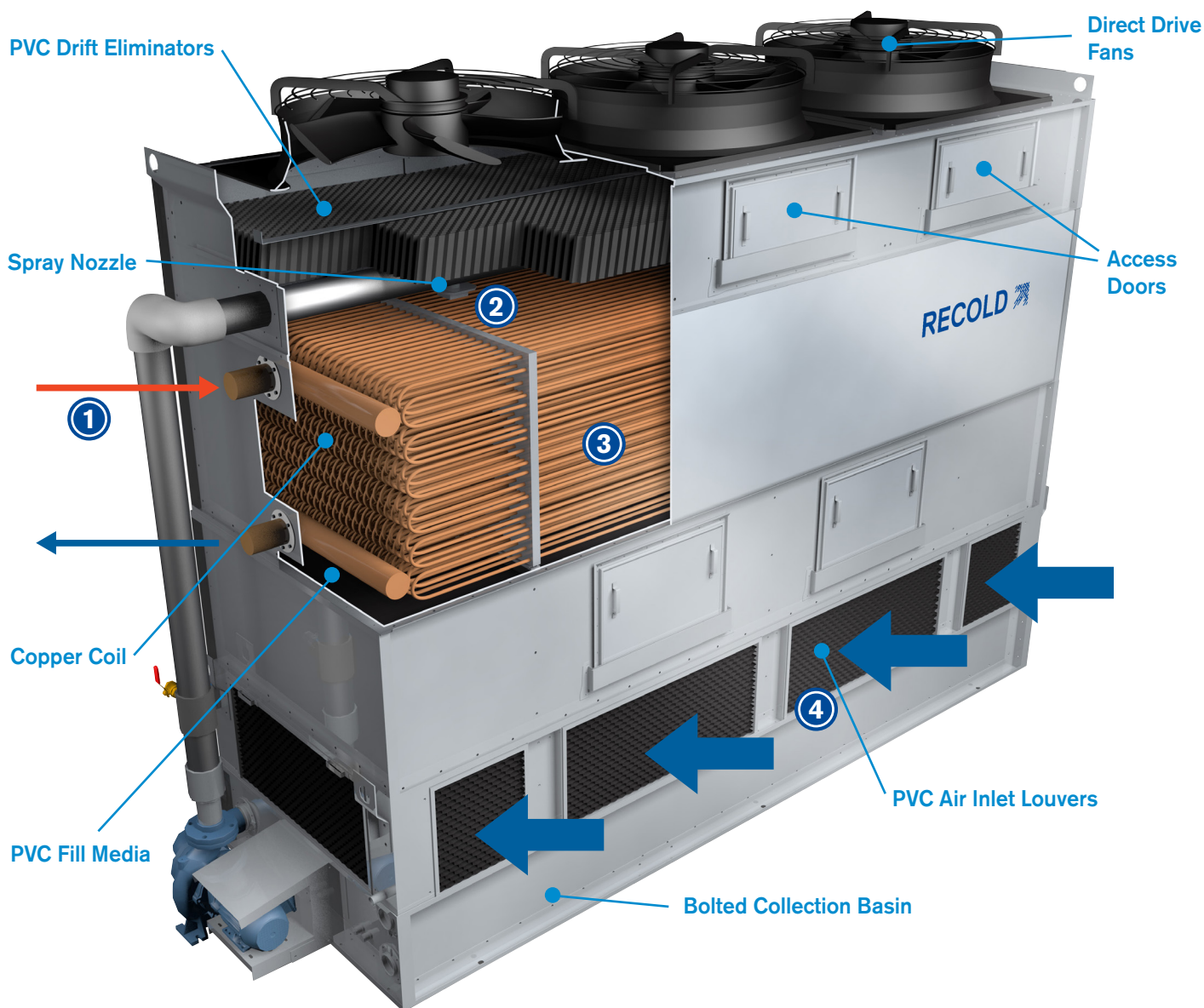


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INDUCED-DRAFT • COUNTERFLOW • REDUCED REFRIGERANT CHARGE

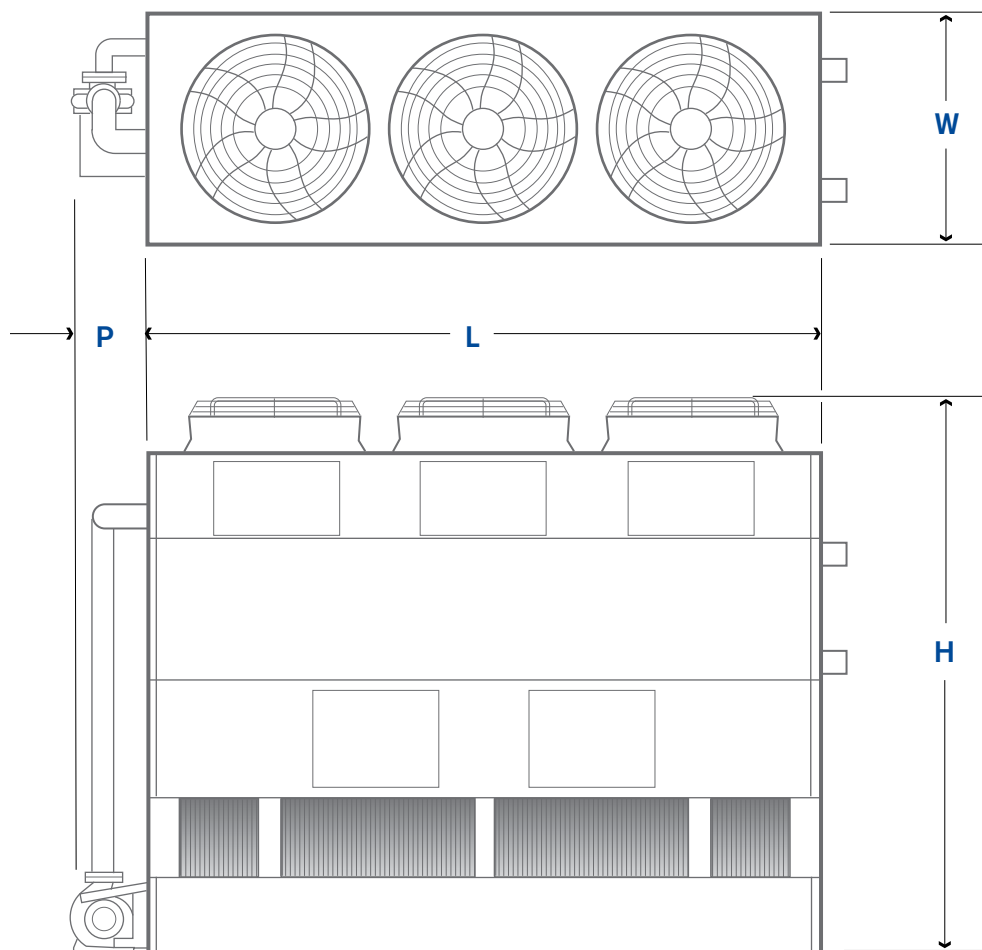
Patented heat transfer technology

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
- ✗ Belt tightening
- ✗ Bearing greasing
- ✗ Tools required for access doors

Direct Drive Fans

- No routine maintenance
- High efficiency, low sound
- Standard electronically commutated (EC) fan motors with integral speed control
- Optional direct drive AC motors with external VFDs are available (LCA Models)

Copper Heat Exchange Coil

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

Models	Nominal Tons note 1	Total Fan Motor hp	# Fans	W	L	H	P
LC032	80 - 129	2 to 6	2	4'-2"	8'-1"	10'-0" - 10'-4"	1'-4"
LC048	130 - 200	3 to 9	3	4'-2"	12'-0"	10'-0" - 10'-4"	1'-4"
LC064	162 - 243	4 to 12	4	8'-0"	8'-1"	10'-6" - 10'-11"	1'-8"
LC096	246 - 371	6 to 18	6	8'-0"	12'-0"	10'-6" - 10'-11"	1'-8"

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.

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

Versus conventional evaporative condensers



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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](https://www.spxcooling.com).



Recold JC
Evaporative Condenser



Marley LW
Fluid Cooler



Recold JW
Fluid Cooler



Marley Cube
Evaporative Condenser

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