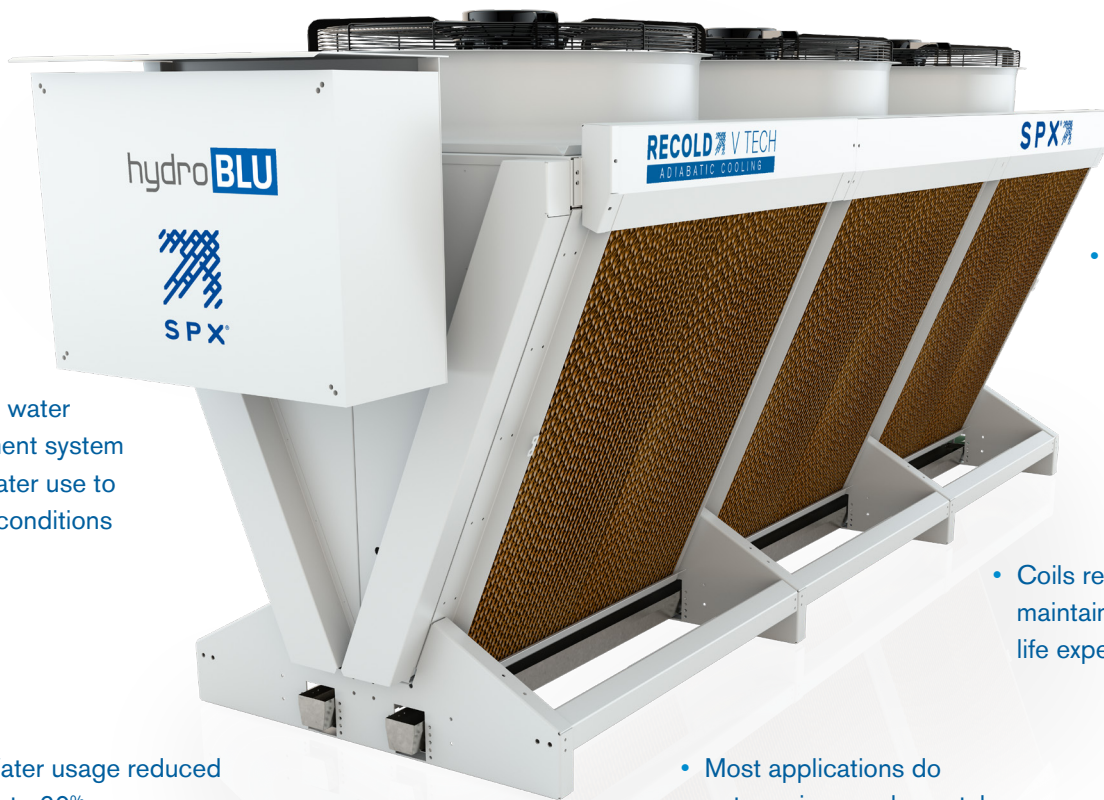


## Recold V Tech Adiabatic Cooling System

The Recold V Tech Adiabatic Cooling System enhances the utility of an air cooled system with the efficiency boost of a wet system during peak conditions, providing lower energy usage and smaller footprint than an air cooled condenser and lower site water usage than an evaporative condenser.

### Features and Benefits

- Integral energy management system monitors and regulates fan speed
- Maintenance free EC motors ensure reliable and efficient operation
- Evaporative pads precool air only on peak days
- Coils remain dry to maintain efficiency and life expectancy
- Most applications do not require supplemental water treatment
- Water usage reduced up to 60% or more vs. evaporative condenser
- Intelligent water management system adapts water use to real-time conditions



# RECOLD V Tech

Applications	Halocarbon refrigerant condensing – CO <sub>2</sub> gas cooling
Capacity – Condensing	283 – 2526 MBH R-134a, 105°F CT, 95°F DB / 76°F WB
Capacity – CO <sub>2</sub> Gas Cooling	381 – 4384 MBH R-744 @ 1400psi, 200°F - 85°F, 90°F DB / 76°F WB
Unit Sizes	1 – 8 fans
Air Flow	Induced draft, vertical discharge
Fans	Direct drive airfoil impellers
Motors	Electronically commutated (ECM): 2.4 kW – 3.7kW
Nominal Width	4 ft
Nominal Length	4 ft – 32 ft
Nominal Height	5.7 ft
Coil Construction	Copper tube/aluminum fin – Stainless tube/aluminum fin – Epoxy coated fin option
Rigging	Built-in lifting eyes
Mounting	Heavy-duty rigid foot mount

## ENERGY AND WATER MANAGEMENT CONTROL SYSTEM

- Plug and play system with automatic motor programming
- Adaptive water flow control
- Standalone or remote interface control
- Setpoint changeover and/or nighttime limiter
- Operational and fault signaling
- Remote monitoring
- Bypass operation

## WATER DISTRIBUTION SYSTEM

The system provides even water distribution across the entire surface area of the cooling pads to minimize dry spots. The pad's fluted angles direct water flow towards the air inlet side of the pad where most evaporation takes place.

A targeted amount of water is not evaporated, helping to continuously rinse the pads, minimizing scaling and clogging of the inlet from atmospheric dust. This also minimizes the accumulation of dirt on the finned surface area of the heat exchanger.

The Recold V Tech System's highly-engineered metered water distribution system minimizes water treatment requirements.

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