



# HXV

## HYBRID COOLER

**MEDIUM  
TO LARGE**  
TONNAGE  
REQUIREMENTS

Up to 1,260 USGPM  
in a Single Unit



SAVES  
WATER  
AND  
ENERGY

Induced Draft // Combined Flow // Axial Fan



# HXV HYBRID COOLER

## INNOVATIVE DESIGN FEATURES

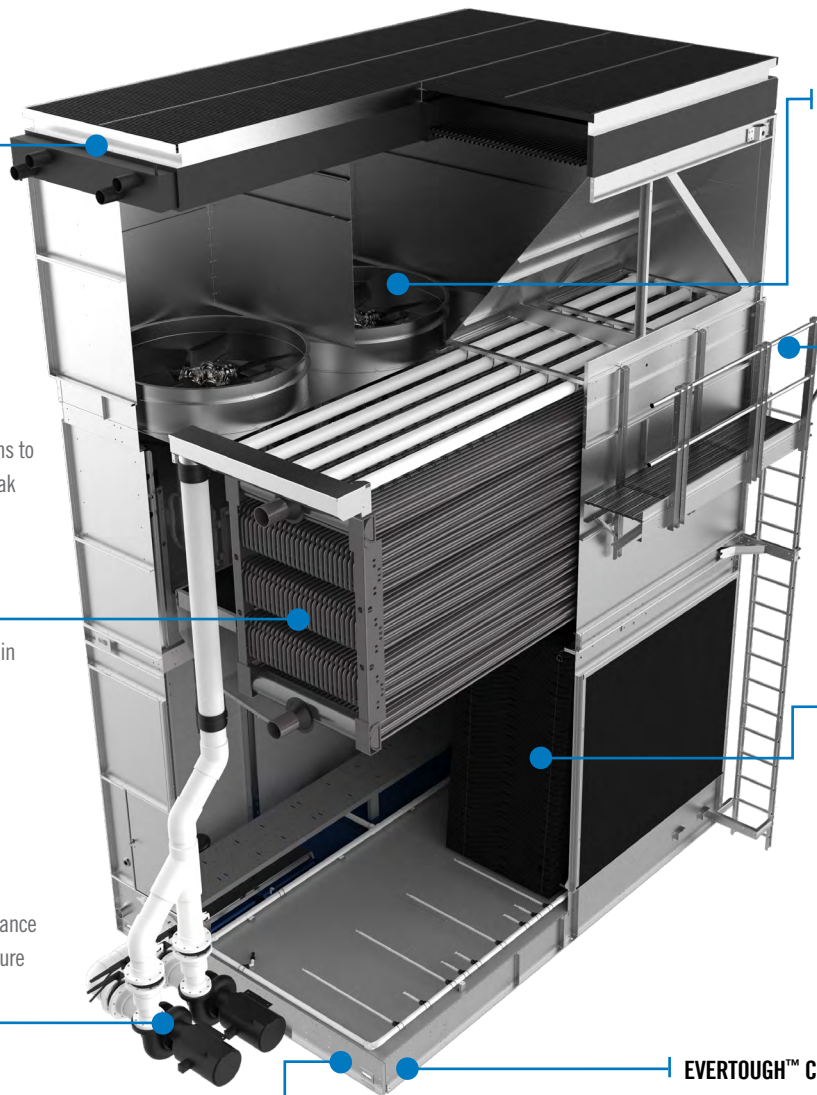
*you won't find anywhere else*



The HXV Hybrid Cooler brings you the best of both evaporative and dry cooling in a water saving and energy-efficient solution. The HXV maintains peak system performance for a variety of applications where water is scarce, water costs are high, uptime is critical, or plume is a concern.

UP TO:

**70% WATER SAVINGS\* | 100% PLUME ABATEMENT\***  
**60% MORE ENERGY EFFICIENT\* | 25% MAINTENANCE SAVINGS\***



**Dry Finned Coil**  
**\$78,000 Lifetime Savings Per Cell**  
 Contributes to 70% water reduction, up to 25% less maintenance, 70% chemical savings, and helps minimize plume.

**Combined Flow Coil Technology**  
 Combines parallel air and water paths to reduce scale build up and ensure peak system energy efficiency.

**Prime Surface Coil**  
 Optimizes water and energy savings in combination with the dry finned coil.

**Crossflow Design**  
**\$24,000 Lifetime Savings Per Cell**  
 Easier accessibility reduces maintenance and operating costs which helps ensure peak system energy efficiency.

**Redundant Pumps (Optional)**  
 Eliminates downtime with factory-supplied valves, allowing service or replacement of one pump while the other remains in operation.

**TriArmor® Corrosion Protection System (Optional)**  
 Provides a unique 3-layer barrier over G-235 galvanized steel to form a completely seamless corrosion-resistant cold water basin, ensuring long lasting durability.

**BALTDRIVE® Power Train**  
 Superior corrosion-resistant materials and state-of-the-art technology that requires only periodic inspection of components and belt tensioning.

**Factory Assembled Platforms and Ladders (Optional)**  
**\$2,400 Savings Per Cell**  
 Reduces the cost of installation while ensuring on-time commissioning and allows operators to safely inspect the nozzles while the unit is in operation.

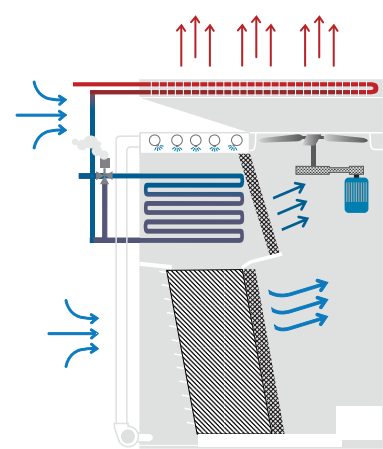
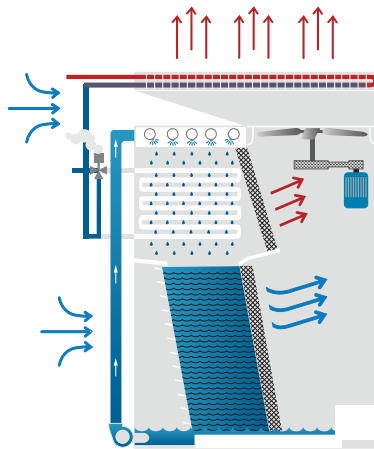
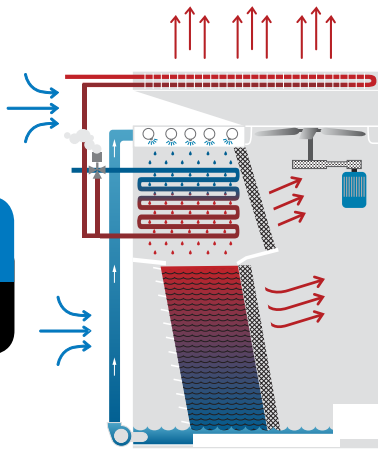
**Combined Inlet Shields**  
**\$24,000 Lifetime Savings Per Cell**  
 Blocks sunlight and debris to reduce accelerated growth of algae on the fill.

**EVERTOUGH™ Construction (Optional)**  
 Combines the most advanced corrosion-resistant materials to withstand extremely adverse water conditions. Materials include a TriArmor® Corrosion Protection System cold water basin, stainless steel submerged components, thermosetting hybrid polymer on wet/dry areas and a PVC water distribution system. This is backed by a comprehensive 5-year warranty.

\*Note: Water savings and maintenance savings are compared to traditional closed circuit cooling towers. Energy savings is compared to air-cooled systems. There is no plume when operating dry.

# HXV HYBRID COOLER

## MODES OF OPERATION



### ENERGY SAVER MODE

### ADIABATIC MODE

### WATER SAVER MODE

Process Fluid	Both Coils	Dry Finned Coil	Both Coils
Spray Water	Spray water is on and precooled over the fill surface	Spray water is on and precooled over the fill surface, reducing the air temperature to within a few degrees of wet bulb	Off
Typical Ambient Condition Range	>65°F (>18°C)	55°F - 65°F (13°C - 18°C)	<55°F (<13°C)
Operation Period	Peak load and high ambient temperatures	Reduced load and low ambient temperatures (shoulder months)	Reduced load and extremely cold weather
Benefits	<ul style="list-style-type: none"> <li>Greatest energy savings</li> <li>The dry finned coil sensibly pre-cools the fluid prior to reaching the prime surface coil</li> </ul>	<ul style="list-style-type: none"> <li>Balanced energy and water savings</li> <li>Minimal water use and evaporation</li> <li>Provides middle range capacity during shoulder months</li> </ul>	<ul style="list-style-type: none"> <li>Greatest water savings</li> <li>Ideal when water is scarce               <ul style="list-style-type: none"> <li>No pump energy use</li> <li>No chemical use</li> </ul> </li> </ul>
Water Consumption	<b>25% WATER SAVINGS</b> 	<b>75% WATER SAVINGS</b> 	<b>100% WATER SAVINGS</b> 

**MARKETS SERVED:**

**DATA CENTERS | MANUFACTURING | INDUSTRIAL | POWER & PROCESS | HVAC**

**BALTIMORE AIRCOIL COMPANY**

# *THE* **BAC DIFFERENCE**

WITH OVER 80 YEARS OF INNOVATION AND EXPERIENCE, BAC CREATES CUTTING-EDGE COOLING EQUIPMENT FOR THE HVAC, MANUFACTURING, INDUSTRIAL, AND REFRIGERATION MARKETPLACES. WE SOLVE CUSTOMERS' UNIQUE NEEDS WITH OUR EXPERTISE AND WIDE RANGE OF HIGH-PERFORMANCE SYSTEMS. BAC LEVERAGES THE POWER OF EVAPORATIVE COOLING BY OPTIMIZING THE BALANCE OF WATER AND ENERGY, BUT THE TRUE BAC DIFFERENCE LIES IN OUR ABSOLUTE COMMITMENT TO CREATING SUSTAINABLE SOLUTIONS AND DELIVERING VALUE TO YOU, OUR CUSTOMER.



**EXPERT SUPPORT**



**EXPERIENCED REPS**



**EXCEPTIONAL VALUE**



**EFFICIENT SOLUTIONS**



**PEACE OF MIND**

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