



Discover BAC's condenser range

Evaporative
Adiabatic
Hybrid



For industrial
refrigeration applications

COUNTERFLOW

RADIAL FAN

POLAIRIS™ Evaporative Condensers, model PLC2
Forced draught design with highly efficient radial fans with EC motors and the patent pending DiamondClear® design. The product offers a long and trouble-free energy efficient operation in combination with minimal need for maintenance.



POLAIRIS, model PLC2
850 - 1890 kW



CENTRIFUGAL FAN

VXC Evaporative Condensers
Forced draught design with quiet centrifugal fans and single side air entry for limited plan areas. The product line includes models suitable for shipment in closed containers.



VXC
VXC : 60 - 6920 kW
VXC-C : 950 - 1840 kW

VCL Evaporative Condensers
Forced draught design with quiet centrifugal fans in end blow configuration for applications with height restrictions.



VCL
180 - 1380 kW

AXIAL FAN

VERTEX™ Evaporative Condensers
Forced draught design with axial fans, providing year-round reliable operation with its independent driven fans located in the dry area. Easy access guarantees optimal operating and maintenance conditions throughout the unit's entire life.



VERTEX
894 - 3817 kW



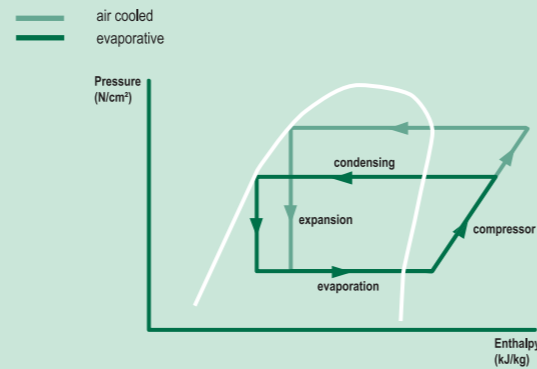
PCE
540 - 2710 kW

PCE Evaporative Condensers
Induced draught design with low sound axial fans with four sided air entry for larger capacities. The product line includes models suitable for shipment in closed containers.

Comprehensive offering of refrigerant condensers

EVAPORATIVE CONDENSERS

Evaporative condensers discharge refrigerant and air-conditioning heat, and consume minimal energy and water. They combine a cooling tower and a refrigerant condenser in a single unit.



These units evaporate a fraction of the water, eliminating refrigerant heat and condensing within the coil. A small portion of the water is evaporated, removing the heat from the refrigerant and condensing it inside the coil. This **saves up to 95% of the water** compared with a once-through condensing system.

evaporative condensers meet economic and environmental needs

- Low condensing temperatures save compressor size and power.
- Low refrigerant charge with minimum cost of vessels and impact on environment.
- Low sound emissions due to the use of inherently quiet low noise or Whisper Quiet fans.
- Compact design reduces installed cost.

ADIABATIC CONDENSERS

The air is adiabatically pre-cooled, boosting dry condensing capacity by up to 40%. It requires less power and area than conventional air-cooled condensers.

adiabatic condensers meet economic and environmental needs

- Limited water usage: short and limited periods of adiabatic operation
- No water treatment: once-through system
- Excellent dry condensing capacity: air pre-cooled to wet bulb temperature via adiabatic pre-coolers
- Energy-saving
- Space-saving



COMBINED FLOW

AXIAL FAN

CXVE Evaporative Condensers
Induced draught counter-crossflow coil on fill design with low sound axial fans and single sided air entry. The efficient heat transfer technology allows 40% lower refrigerant charge compared to conventional condensers.



CXVE
440 - 2765 kW

CXV-D
2750 - 4025 kW



CXV-D Evaporative Condensers
Induced draught combined counter-crossflow coil on fill design with low sound axial fans and double sided air entry for large capacity requirements.

HYBRID AND ADIABATIC

HXC Hybrid Condensers

Induced draught combined counter and crossflow coil on fill design utilizing an additional stainless steel finned coil installed in the discharge air. Modulating air inlet dampers in the back panel optimise sensible heat transfer to reduce water consumption at conditions when heat load and ambient temperatures are lower than design.

HXC
545 - 1895 kW



AXIAL FAN

TrilliumSeries™ Adiabatic Condensers

Adiabatic condenser providing evaporative advantages, designed for maximum water savings, low maintenance and no water treatment.



TVC
340 - 1030 kW

More info?
Contact your local
BAC representative.



MORE THAN 80 YEARS OF EXPERIENCE AND KNOW-HOW

With thousands of successfully operating installations worldwide Baltimore Aircoil Company has the **application and system experience** to assist you in the design, installation and operation of your cooling equipment.

BAC applications **serve all markets** - air conditioning, industrial manufacturing, refrigeration, district and data center cooling, pharmaceutical applications and electric vehicle battery applications - and **provide solutions for all different customer cooling needs**.



RELIABILITY - At BAC, we care about the quality of our work and the relationship with our clients

BAC delivers the **highest quality products**. We organize full size thermal performance and acoustical tests in our labs and participate in all **existing thermal performance programs** that exist for our products. We ensure a **reliable supply chain** and have a **flexible production capacity** that meet the needs of any project size or requirement. We have **expert engineers** all over Europe, driven to help and support you with one common goal in mind: developing and delivering cooling products that fully meet your needs. With **specialized software** we select the most appropriate evaporative cooling equipment, combined with calculations of investment and annual operating costs. Before, during or after installation, BAC also offers **on-site assistance** and **spare parts** for units up to 20 years old.

INNOVATION - At BAC, we are passionate about innovation

Ongoing investment in research, combined with the **most advanced R&D laboratory facility in the industry**, enables BAC to consistently offer the most technologically advanced products to exceed both industry standards and the needs of our customers. As a result, BAC holds **more than 100 patents**. Impassioned by innovation for more than 80 years, today we broadly adopt innovation and creativity across all our business functions and business processes to reach new levels of industry leadership. We are driven to bring new value into your future.

SUSTAINABILITY - At BAC, we are inspired by nature

For more than 80 years we've been helping our customers achieve their sustainability goals. Today we **integrate sustainability not only into WHAT we do but also into HOW we do it**. Sustainable innovation is fostered and cultivated in all BAC's business processes. Our sustainability goals guide us each day to become **the leading provider of sustainable cooling solutions**. We are committed to become your most sustainable partner.