

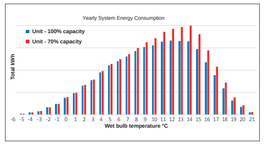
BAC ORIGINAL SPARE PARTS AND SERVICES
KEEP YOUR EQUIPMENT IN OPTIMUM CONDITION

BAC original spare parts are not just components. They guarantee year-round reliable operation of your cooling equipment.

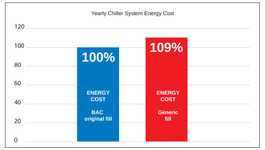
So make sure you take advantage of all the benefits BAC spare parts offer:

- Original performance for lowest system operation cost
- Minimum downtime and maximum lifetime
- Operational safety
- Improved operation and maintenance through integration of latest technology
- Long-term availability and traceability
- Quick delivery

Lowest system operating cost
Using generic fill means
- up to 30% capacity loss,
- 3°C higher temperature,
- 9% higher chiller system energy cost.



Unit with generic fill has a 30% capacity loss yearly, with a 3°C higher temperature.



Using generic fill leads to 9% higher chiller system energy costs.

BAC offers a complete range of products and **services** for optimal efficiency and safe operation of your cooling equipment.



These services include:

- Rigging, supervision, start-up and commissioning
- Preventive maintenance
- BAC Inspect — free site inspection followed by an extended condition report
- Corrective repairs
- Refurbishment and upgrades
- Cleaning and disinfection

Are you searching for a specific spare part for your equipment?
Find a detailed 3D view specifically designed for your product.



Find your product 3D view here:

OPTIONS AND ACCESSORIES

At BAC, we never stop investing in **research and development** to improve our products. We offer options and accessories that bring solutions for different customer needs. Discover a selection of options here:

Improve maintenance and accessibility


Ladder & platform


Filter

Save water


Water treatment equipment


3-way-valve

Hygiene erhöhen


Clean out port


Sump sweeper piping

Save energy and increase performance


Discharge hood


Baltiguard™ drive system

Reduce sound emission


Sound attenuation


Whisper Quiet Fan

Increase reliability


Basin heater package


Standby pump

Refurbishment services extend the equipment's operating life. **New technology and upgraded** components can be incorporated into existing installations. Upgrades allow you to **comply with any new regulations or standards.**

Find out what is available for your specific product!

More information
www.BaltimoreAircoil.com
Europe@BaltimoreAircoil.com
www.BacSustainability.com

PEFC
PEFC/07-31-369
PEFC gecertificeerd
Dit product komt uit duurzaam beheerde bossen, gerecycleerde en gecontroleerde bronnen
www.pefc.be

Your BAC Representative

SPROD_EN_v10

TOGETHER FOR FUTUREPROOF COOLING. ALWAYS.



BAC is proud to be the world's cooling partner. Since 1938 we have been creating sustainable comfort cooling, process cooling, and refrigeration solutions for the most essential and demanding environments on earth. From pioneering evaporative condensers to introducing adiabatic or modular hybrid coolers, BAC leads cooling forward, so we can all advance together.

PASSION THAT MOVES US FORWARD



We keep your business at the heart of ours.

BAC delivers the **highest quality products,** designed and manufactured according to the latest standards and local regulations. The thermal performance of all standard BAC cooling towers and crossflow closed circuit cooling towers is independently **certified by CTI-Eurovent.** With more than 80 years of experience, we have over 200,000 units reliably operating worldwide, all locally supported throughout the product life-cycle.



As a true pioneer we move our industry forward.

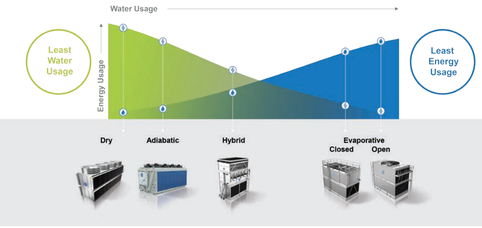
Our design process is streamlined and systematic. We start with the research of new technologies and end with providing a quality product to the jobsite. Ongoing investment in research, combined with the **most advanced R&D laboratory facility in the industry,** enables BAC to consistently offer the most technologically advanced products to exceed both industry standards and the needs of our customers. As a result, BAC holds **more than 1000 patents**.



We care about the world and the people in it.

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.

BAC TECHNOLOGY RANGE



HEAT TRANSFER PRODUCTS

		Crossflow	Counter flow	Combined flow	Indoor installation	Axial fan	Radial fan	Centrifugal fan	Low sound	Energy efficiency	Easy Maintenance	Increased hygiene	Water saving
Open cooling towers	S3500E	•				•			C	A	A	A	
	S3000E	•				•			C	A	A	A	
	PTE		•			•			F	A	D	C	
	VTL-E		•		•			•	A	F	D	E	
	VT 0/1		•		•			•	A	F	D	E	
Closed circuit cooling towers	FXVS			•		•			C	A	A	A	E
	FXVT			•		•			C	A	A	A	E
	PFI		•			•			F	A	D	E	D
	POLARIS™ Model PLF2		•				•		C	A	A	A	B
	VFL		•		•			•	A	F	D	E	B
	VXI		•		•			•	A	F	D	E	B
	HFL		•		•			•	A	B	A	B	C
	HXI			•		•			C	A	A	B	C
	TrilliumSeries® Model TFVC		•			•			C	B	A	B	C
	TrilliumSeries® Model TRF		•			•			C	B	A	B	C
	Dry cooler		•			•			C	A	A	B	A
Refrigerant condensers	POLARIS™ Model PLC2/3		•				•		A	B	A	A	D
	VERTEX® Model VRC		•			•			F	B	A	A	B
	CXVS			•		•			C	A	A	A	F
	CXV-D			•		•			C	A	A	A	F
	PCE		•			•			F	A	D	E	D
	VCL		•		•			•	A	F	D	E	D
	VXC		•		•			•	A	F	D	E	D
	HXC			•		•			C	A	B	B	C
	TrilliumSeries® Model TVC		•			•			F	B	A	B	C
	TrilliumSeries® Model TRC		•			•			F	B	A	B	C

Addition of product accessories can improve standard product features e.g. sound attenuation, plume abatement, maintenance, operational safety, corrosion protection. Contact your BAC representative for more information.

C ... A Best

BAC offers a professionally applied coating — **our unique Baltibond® hybrid coating** — that increases the service life of your equipment. The quality of this coating is **guaranteed** thanks to a state-of-the-art coating process, applied in house. Baltibond® hybrid coating can **reduce the water and chemical consumption by up to 33%**. You can operate at the same cycles of concentration as a full stainless steel execution.















CLOSED CIRCUIT COOLING TOWERS

Benefits
- Contaminant-free cooling circuit
- Reduced system maintenance
- Lower overall system costs thanks to year-round reliable savings on maintenance, water, energy and water treatment
- Dry operation in winter

How does it work?
Closed circuit cooling towers dissipate the process fluid heat load into the ambient air via a heat exchange coil. This isolates the process fluid from the outside air, keeping it clean and free from contamination in a closed loop.

PFI, FXVS, FXVT and PLF2 are Eurovent-certified.

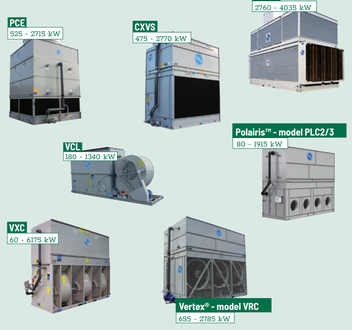
BAC participates in the ECC programme for cooling towers. Check ongoing validity of certificate: www.eurovent-certification.com - Series PF-PFI – CT N° 15.12.001, Series FXV-FXVS – CT N° 15.12.002, Series FXV-FXVT – CT N° 15.12.003, Series V-PLF2 - CT N° 22.03.03



EVAPORATIVE CONDENSERS

Benefits
- Initial cost savings
- Low system operating costs: low condensing temperatures for a more compact compressor using less power
- Low refrigerant charge minimizing costs and environmental impact
- Space saving: up to 50% area savings compared to air-cooled installations

How does it work?
The refrigerant vapour is condensed in a coil, which is continually wetted on the outside by a recirculating water system. Air is circulated over the coil, evaporating a small portion of the water. The heat is removed from the vapour in the coil, causing it to condense.



ADIABATIC COOLERS

Benefits
- Low process temperatures
- Save more than 90% on annual water compared to cooling towers
- Up to 40% increased capacity compared to dry cooling
- Reduced energy consumption
- Operational safety

How does it work?
Before the fan draws the ambient air through the finned coil, the air is pre-cooled adiabatically when traversing an humidification pad. This evaporates the water in the air, thus boosting the cooling capacity.



ADIABATIC CONDENSERS

Benefits
- Achieves lower condensing temperatures compared to dry condensers
- Reduced compressor size
- Realises a lower system energy consumption resulting in a less than 1.5 year pay back

How does it work?
A humidification pad absorbs water which is transferred to the passing air. This cools the air down allowing you to achieve lower condensing temperatures.



DRY COOLERS

Benefits
- Operational safety
- No plume
- Perfect solution for water-stressed regions

How does it work?
The fans draw air across the coil, cooling the process fluid inside the coil, after which it returns to the heat source of the process.



HYBRID COOLERS & CONDENSERS

Benefits
- Optimized electricity usage, water usage and water treatment
- Reduced maintenance
- Minimized energy consumption and refrigerant charge
- Simplified system design

How does it work?
The hybrid wet/dry products cool the liquid to be cooled by efficiently combining dry sensible air cooling with evaporative cooling. These products include two or more distinctive heat transfer surfaces combined into one product optimising the use of the ambient dry and wet bulb temperature.

The hybrid HXC condenses the refrigerant by efficiently combining dry sensible air cooling with evaporative cooling.



OPEN COOLING TOWERS

Benefits
- Very efficient cooling
- Low process temperatures
- Small footprint

How does it work?
Open cooling towers discharge heat from water-cooled systems into the atmosphere. The hot process water is distributed over a fill pack (heat transfer medium) to interface with air blown by a fan through the cooling tower. During this evaporative cooling a small part of the water evaporates while cooling the remaining process water.

BAC participates in the ECC programme for cooling towers. Check ongoing validity of certificate: www.eurovent-certification.com
Series S3000E Series –S3E – CT N° 15.03.046, S3SE Series – CT N° 14.05.002, PTE Series – CT N° 14.10.001, Series V-VTL-E - CT N° 15.03.069, Series V-VTO – CT N° 15.03.067, Series V-VTI CT N° 25.03.069



ICE THERMAL STORAGE PRODUCTS

Benefits
- Refrigeration systems up to 50% more compact
- Operational cost savings
- Low energy consumption
- Reduced carbon footprint
- Less compressor maintenance
- Back-up cooling

How does it work?
These products use ice to build and store cooling when cooling demands and/or energy rates are low (mostly overnight). The system then uses this stored cooling for air-conditioning or process purposes when energy rates are high (mostly daytime). There are 2 melt types. For "internal melt" only glycol solutions can be used as secondary refrigerant. "External melt" ice storage products can use either direct refrigerant feed or glycol solutions.

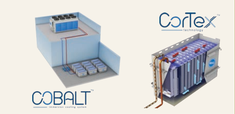


IMMERSION COOLING

Benefits
- Highest reliability
- Scalable or modular
- Compact footprint
- Low maintenance
- Redundancy

How does it work?
Cold coolant enters the heat exchanger. The pumps circulate dielectric fluid through the tank, and this fluid carries the heat from the servers to the heat exchanger to be cooled. The warm coolant then exist the heat exchanger.

The COBALT™ immersion cooling system comprises of a tank paired with any of BAC's portfolio equipment.



www.BaltimoreAircoil.com