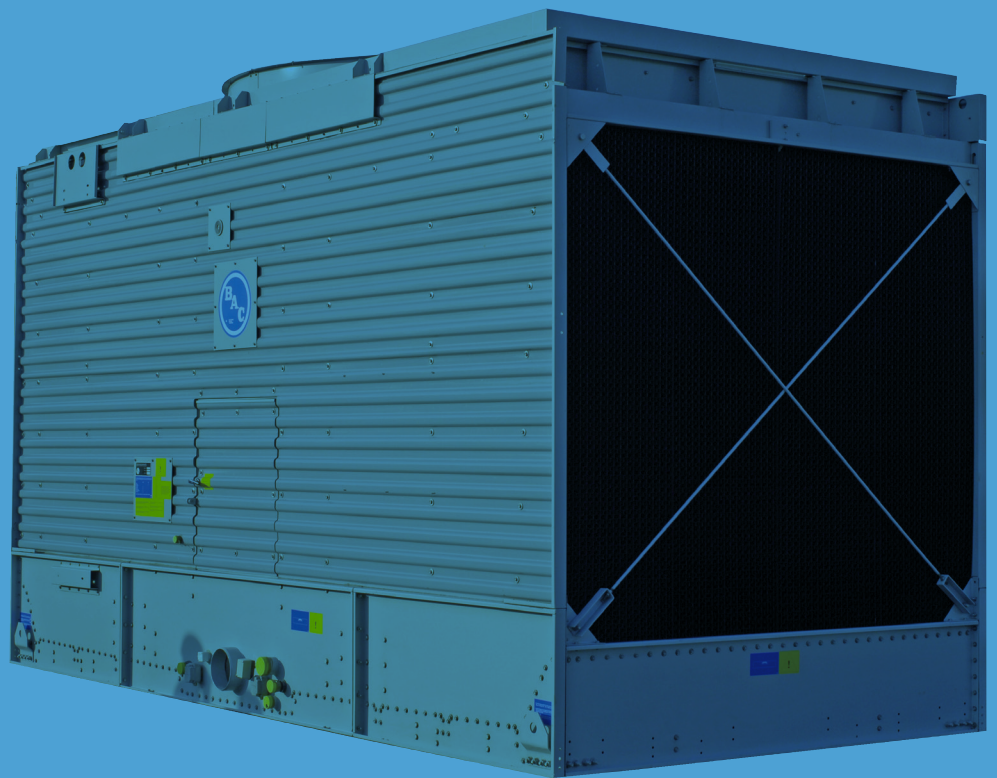




Ultra silent and high-efficiency cooling tower with unrivalled ease of maintenance



S3000E

Open cooling towers

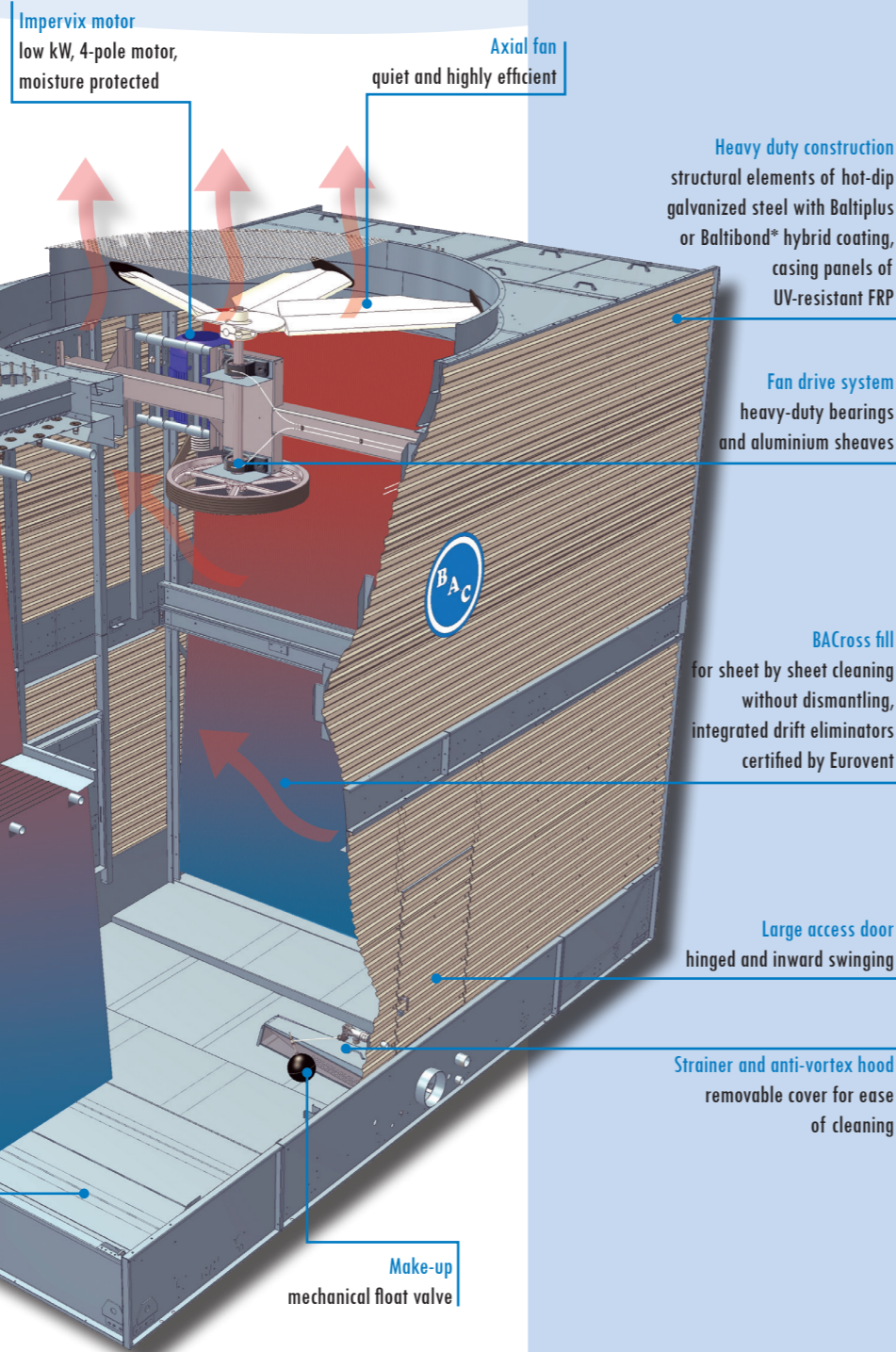
S3000E

Open Cooling Towers

Baltimore Aircoil is a worldwide leading manufacturer of heat rejection equipment for a wide range of applications. In its constant search for improvement in design and performance BAC has developed and perfected many features which have become the standard of excellence for cooling throughout the world.

S3000E open cooling towers use energy efficient axial fans with low sound emission and incorporate superior features in terms of ease of maintenance and hygiene. The towers can be arranged in multi cells for large capacity requirements.

Single cell capacity 18 - 285 l/s



green tower

Unmatched energy savings

- Evaporative cooling equipment can minimize the energy consumption of the total cooling system.
- S3000E open cooling towers have energy efficient axial fans and save pump kW because of the gravity distribution system.
- In periods of reduced load, weir dams close off partly the hot water basin saving pump energy.
- XE3000E line has smaller motors to reduce electricity consumption for the same cooling capacity.
- Velocity recovery stacks* on top of the fan cylinder boost the tower's thermal performance.

Ultra silent design

- A choice of various fan types such as low noise fans and Whisper quiet fans are available for minimal surrounding noise.
- BACross fill smoothly guides the water all the way into the basin without water splash noise.
- S3000E have a single-side air inlet, and a quieter tower rear for more noise sensitive areas.
- XES3000E line have smaller motors for extremely low noise levels.
- Factory designed, tested and rated sound attenuation is available on air inlet and discharge to cut operation noise even further.

low maintenance and easy inspection

- Full access to water distribution basin, nozzles and patented BACross fill during operation.
- Inspection and maintenance can be done with comfort, while standing inside.
- Large inward swinging access door, spacious plenum and internal walkway*.
- Internal service platforms, external ladders and handrails*.
- Fans are easily accessible from the inside and outside.
- Combined inlet shields are easily removable without tools.
- Extended lubrication lines* with easily accessible grease fittings.
- Mechanical equipment removal system* helps remove or install fan motors or gearboxes.

unmatched hygiene control

- The BACross fill reduces fouling and is telescopically supported* for easy inspection and cleaning of the core, sheet by sheet without dismantling. Fill includes Eurovent certified drift eliminators.
- The cold water basin is sloped towards the drain.
- The suction strainer anti-vortex hood is removable.
- The combined inlet shields protect the basin water from direct sunlight and the intrusion of foreign matter.
- Distribution basin covers* prevent contamination of basin water due to debris etc.
- Sump sweeper piping* minimising sediments in the cold water basin is available for use with side stream filtration.
- A clean-out port* can be installed in the cold water basin.

* option



Whisper Quiet fan*



Velocity recovery stacks*



Inward swinging access door and internal walkway*

year-round reliable operation

- S3000E cooling towers are CTI-Eurovent certified which guarantees thermal performance and eliminates field thermal performance testing costs.
- S3000E open cooling towers offer a broad choice of high quality construction materials for structural elements. Casing panels are in FRP.
- S3000E uses high quality components, meeting very strict technical specifications for operation in the most demanding conditions. Upgrade your tower operational flexibility with:
 - **Vibration cut-out-switches*** to protect the equipment against mechanical failure.
 - **Electrical basin heaters*** to protect the water inside the basin from freezing, when the tower is idle.
 - **Electric water level control*** for precise control of the water level with no need for seasonal adjustment.
 - **Gear drive fan system*** with close coupled or external mounted motor.



Mechanical equipment removal*



Basin distribution covers*



Patented BACross fill for sheet by sheet inspection and cleaning



Internal service platforms*

... because temperature matters™

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.