

Reliably serving your cooling process ...



*Workhorse cooling tower
with unrivalled
ease of maintenance!*

S3000D

Open Cooling Towers



- ✓ Low maintenance
- ✓ Easy inspection
- ✓ Ultra silent
- ✓ Low energy consumption
- ✓ Unmatched hygiene control



S3000D

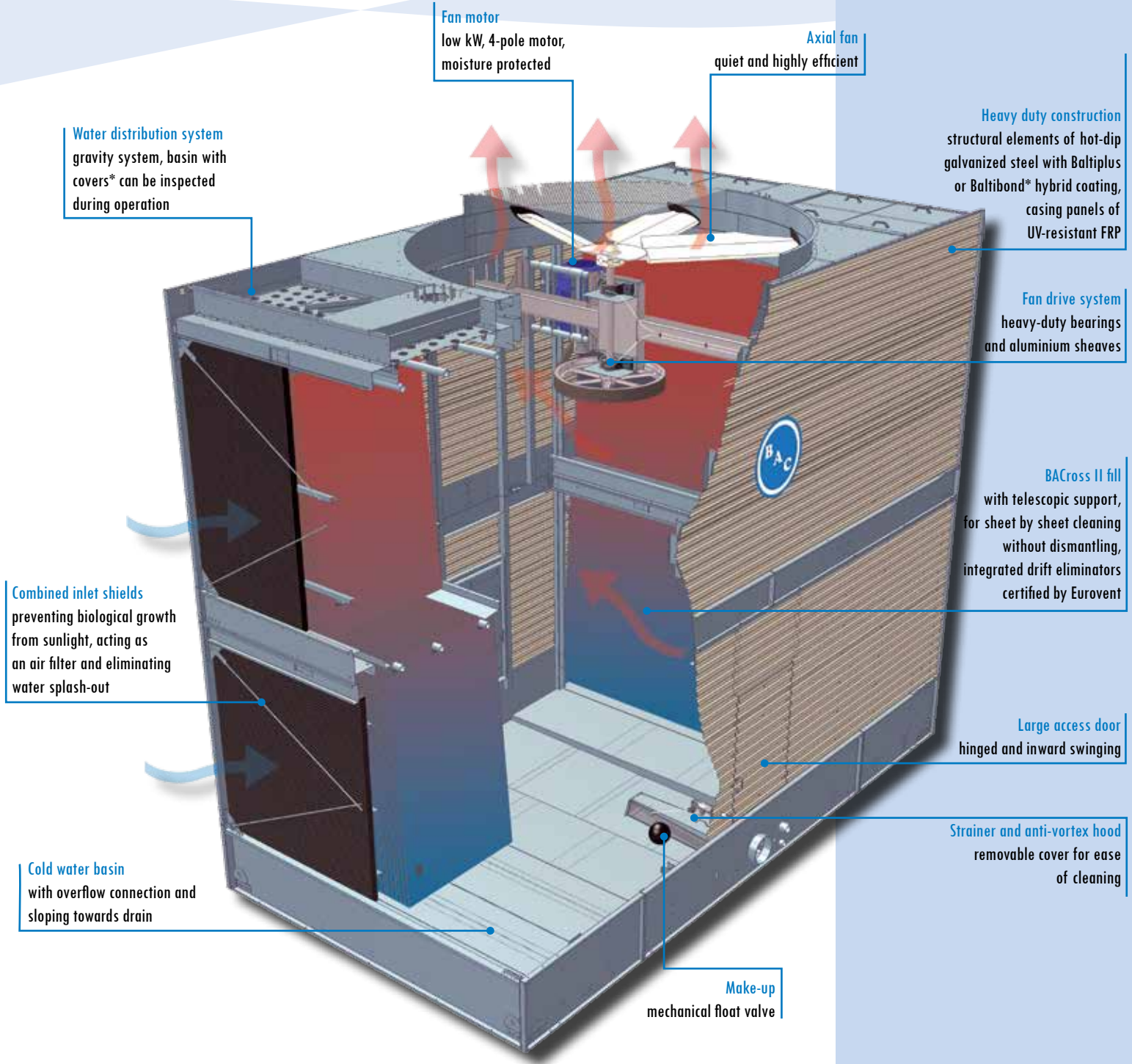
Open Cooling Towers

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.

S3000D 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 30 - 285 l/s





LOW ENVIRONMENTAL
IMPACT PRODUCT



low maintenance and easy inspection

- Full access to water distribution basin and nozzles during operation.
- Inspection and maintenance can be done with comfort, while standing inside.
- Large inward swinging access door, spacious plenum and internal walkway*.
- The BACross II fill is telescopically supported for easy inspection.
- 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 II 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.

year-round reliable operation

- S3000D cooling towers offer a **broad choice of high quality construction materials** for structural elements, ranging from galvanized steel (Baltiplus) to the proven Baltibond* hybrid coating and stainless steel* (AISI 304 or 316). Casing panels are in FRP.
- S3000D uses high quality components, meeting very strict technical specifications for operation in the most demanding conditions. exigentes. 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.

Whisper Quiet fan*



Velocity recovery stacks*



Inward swinging access door and internal walkway*

green tower

Low energy consumption

- Evaporative cooling equipment can minimize the energy consumption of the process to be cooled.
- S3000D open cooling towers have energy efficient axial fans and save pump kW because of the gravity distribution system.
- Velocity recovery stacks* on top of the fan cylinder boost the tower's thermal performance.

Ultra silent design

- S3000D open cooling towers use fans with low sound emissions as standard.
- For extremely sound sensitive applications, where typically centrifugal fans are used, Whisper Quiet fans* with or without sound attenuators* are available.

Mechanical equipment removal*



Basin distribution covers*



Patented BACross II fill for sheet by sheet inspection and cleaning



Internal service platforms*

* option



BALTIMORE
AIRCOIL COMPANY

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more than 70 years of experience and know-how

With thousands of successfully operating installations worldwide Baltimore Aircoil has the **application and system experience** to assist you in the design, installation and operation of your cooling equipment. Ongoing investment in research, combined with an advanced **R&D** laboratory facility, enables BAC to consistently offer new technologies and products to meet developing industry demands.

Baltimore Aircoil has a **network of highly qualified sales representatives** backed up by an experienced technical staff to ensure that each customer project is a success.



3D-design software



5000 m² R&D-test centre



selection and simulation software



testing



high quality manufacturing



on site services

There is a wide variety of open cooling tower concepts available on the market. For this reason BAC recommends to evaluate different cooling tower configurations for your project. Your BAC Balticare representative is available to assist you in this evaluation.

In order to select the right cooling tower for a specific application a number of important parameters should be considered. Listed below are questions, which should be answered when making your choice.

about the application

- What are the design conditions (flow, water in and out and entering wet bulb temperature) which achieve the best energy efficiency for my process?
- Are there acoustical limitations (sound power, sound pressure, day, night)?
- What space is available for the cooling tower?
- How can maintenance and cleaning be conducted?
- Could the formation of visible plume represent a problem?
- What is the condition of the make-up water and how to control the recirculating water quality?

about the supplier

- How has the manufacturer established his ratings?
- What is the level of the manufacturer's service and access to original spare parts?
- Can the manufacturer demonstrate compliance with directives and regulations?
- Who is my contact person for technical and commercial assistance?

For more information visit our website at www.BaltimoreAircoil.eu or contact your BAC Balticare representative to assist you with the selection, operation and maintenance of your installation, to ensure continuous efficiency of your process.



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Your local contact :