BALTIMORE
AIRCOIL COMPANY

Reliably serving your cooling process ...

S1500E

Open Cooling Towers

- ✓ Ultra silent design
- ✓ Unmatched energy savings
- ✓ Low maintenance and easy inspection

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... because temperature matters™

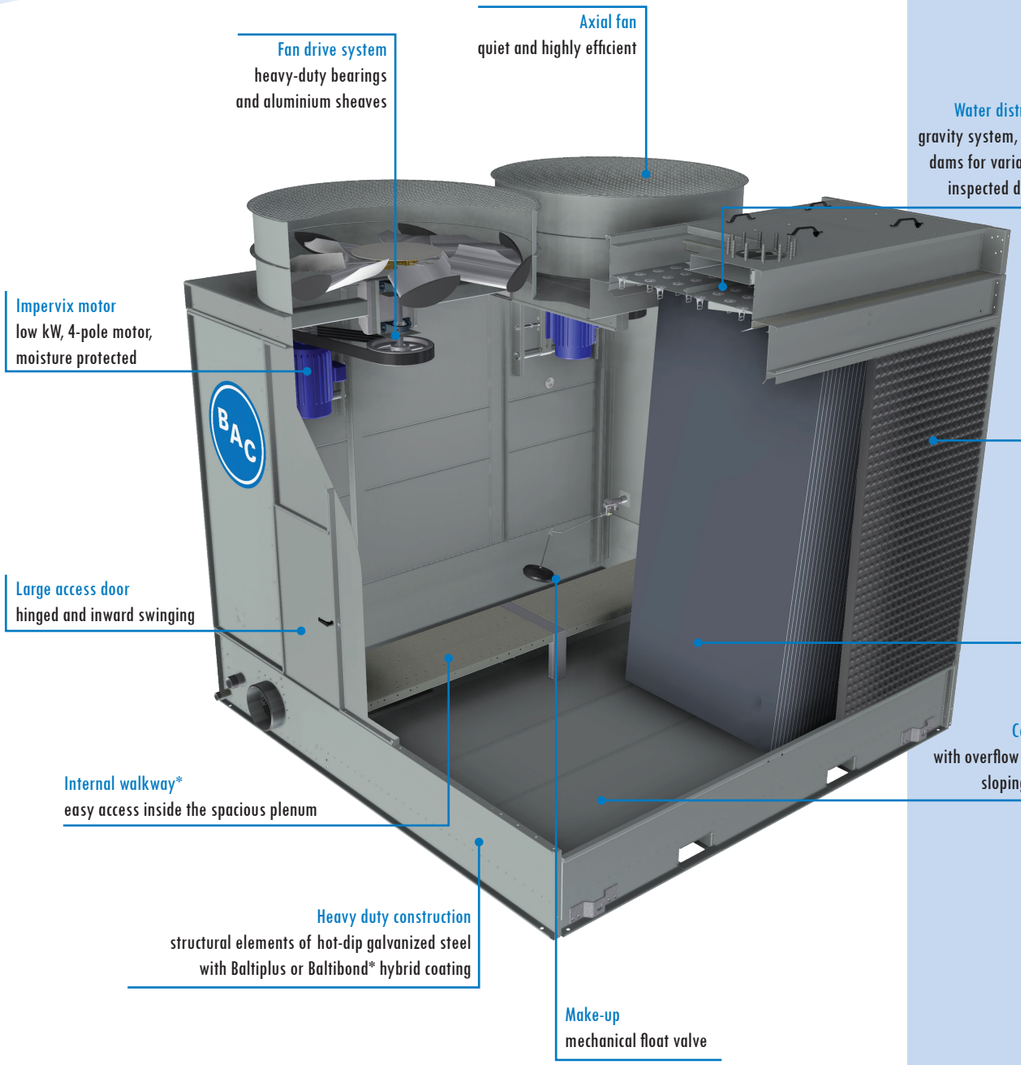
S1500E

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.

S1500E 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 8 - 215 l/s



... because temperature matters™

LOW ENVIRONMENTAL IMPACT PRODUCT

green tower

Unmatched energy savings

- Evaporative cooling equipment can minimize the energy consumption of the total cooling system.
- S1500E 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.
- XE1500E line has smaller motors to reduce electricity consumption for the same cooling capacity.

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.
- S1500E have a single-side air inlet, and a quieter tower rear for more noise sensitive areas.
- XES1500E 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.
- Easy 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.

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.

Whisper Quiet fan*

Fan drive system easily accessible while standing

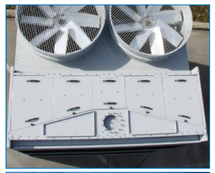
Inward swinging access door leading into a spacious plenum

year-round reliable operation

- S1500E cooling towers are CTI-Eurovent certified which guarantees thermal performance and eliminates field thermal performance testing costs.
- S1500E open cooling towers offer a broad choice of construction materials, ranging from galvanized steel (Baltiplus) to the proven Baltibond* hybrid coating and stainless steel* (AISI 304L or 316L).
- S1500E 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.

Internal walkway*

Basin distribution covers*



Patented BACross fill for sheet by sheet inspection and cleaning

Internal service platforms*

* option

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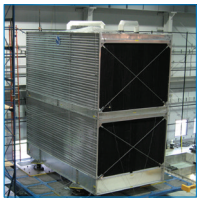
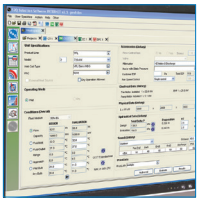
more than 75 years of experience and know-how

ISO 9001:2008 certified

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.
Sustainability is fostered and cultivated in BAC's business processes. Through our products we also help our customers to achieve their sustainability goals. You can find BAC's sustainability commitments on the website www.BacSustainability.com

3D-design software


5000 m² R&D-test centre


selection and simulation software

testing

high quality and sustainable manufacturing

on site services

sustainable business processes and culture

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? Are the ratings certified by Eurovent?
- ☐ 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?
- ☐ Are the manufacturers products produced in a sustainable way?

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.

www.BaltimoreAircoil.eu
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BAC BALTIMORE AIRCOIL COMPANY

Your local contact :

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