

Reliably serving your cooling process ...



Cost savings through
high energy efficiency
and reduced
maintenance interventions !

TXV

Open Cooling Towers



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



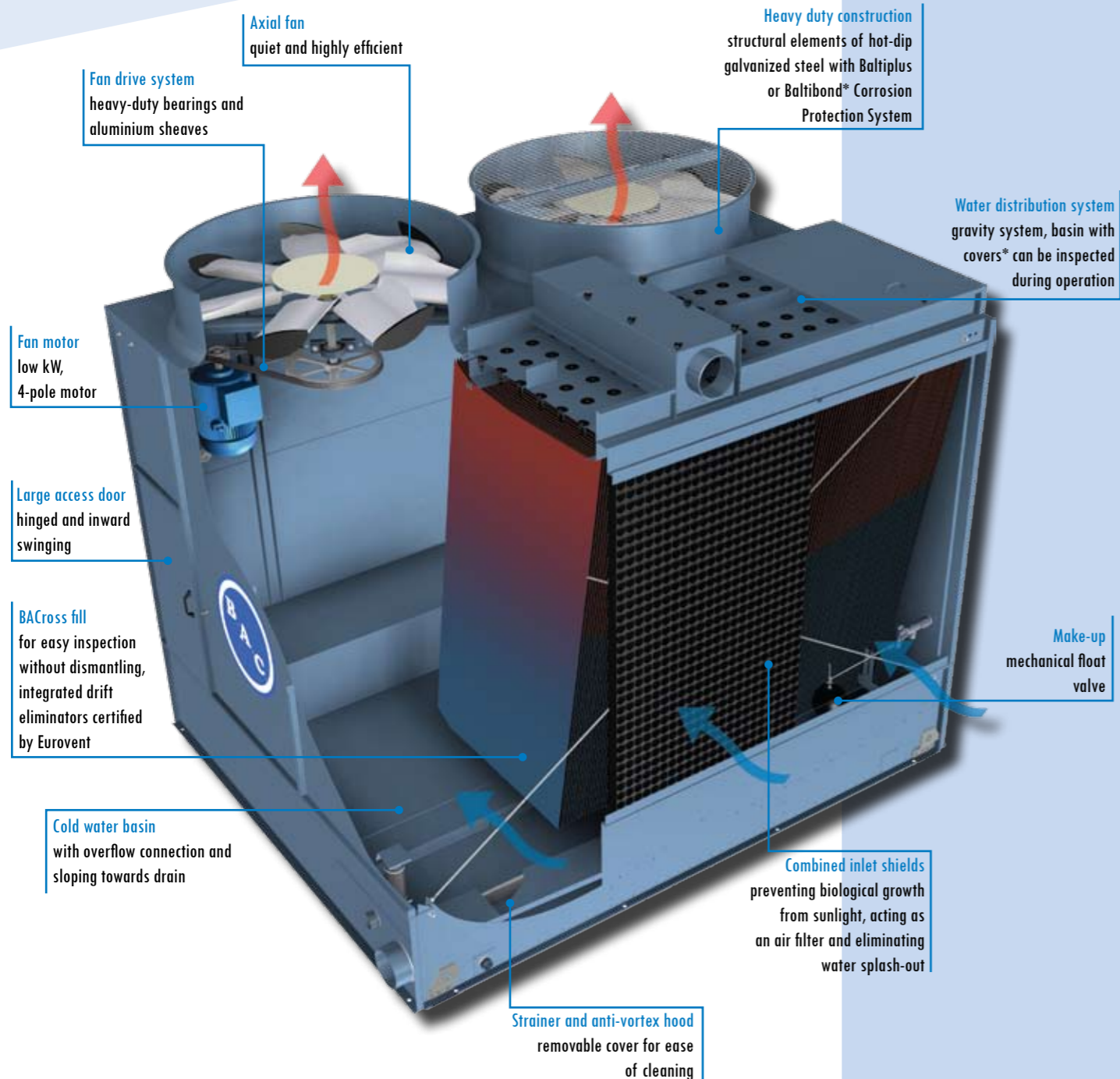
SERIES 1500

Open Cooling Towers TXV

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.

TXV crossflow open cooling towers use energy efficient axial fans with low sound emission and incorporate superior features in terms of ease of maintenance and hygiene. TXV towers are ideal replacement units, fitting in most enclosures.

Single cell capacity 10 - 155 l/s



green tower

Low energy consumption

Evaporative cooling equipment can minimize the energy consumption of the process to be cooled. In addition TXV open cooling towers have energy efficient axial fans and save pump kW because of the gravity distribution system.

Ultra silent design

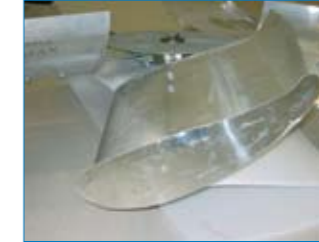
TXV open cooling towers use fans with low sound emissions as standard. For extremely sound sensitive applications, where typically centrifugal fans are used, Whisper Quiet fans* with or without sound attenuators* are available.



LOW ENVIRONMENTAL
IMPACT PRODUCT



Whisper Quiet fan*



Combined inlet shields



Inward swinging access door and internal walkway*

low maintenance and easy inspection

- Large inward swinging access door, spacious plenum and internal walkway.
- Full access to water distribution basin and nozzles during operation.
- The BACross fill for easy inspection of fill core.
- Fans are easily accessible from the inside and outside; make-up, drain and overflow from the outside.
- Internal service platforms, external ladder and handrails*.
- Combined inlet shields are easily removable without tools.
- Extended lubrication lines* with easily accessible grease fittings.

superb hygiene control

- The BACross fill reduces fouling and includes drift eliminators certified by Eurovent.
- 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.

low installed cost

TXV cooling towers ship in one or two pieces, complete with motors and drives factory-installed and aligned. They fit in most enclosures because of the single side air inlet and discharge.

year-round reliable operation

TXV open cooling towers offer a broad choice of construction materials for structural elements, ranging from galvanized steel (Baltiplus) to the proven Baltibond* Corrosion Protection System and stainless steel* (AISI 304 or 316).

Vibration cut-out-switches* to protect the equipment against mechanical failure.

Electrical basin heaters* to protect the water in the basin against freezing, when the tower is idle.

Electric water level control* for precise control of the water level with no need for seasonal adjustment.

Internal platform*



Distribution basin covers*



Patented BACross fill with integrated drift eliminators certified by Eurovent



Sloped basin with sump sweeper piping*

* option



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... because temperature matters™

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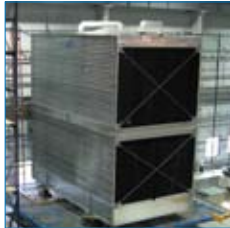
more than 70 years of experience and know-how

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 :