

Reliably serving your cooling process ...



Highest capacity
per footprint
on the market !

FXVE

Closed Circuit
Cooling Towers

- ✓ Energy efficient
- ✓ Low maintenance
- ✓ Easy inspection
- ✓ Ultra silent
- ✓ Unmatched hygiene control

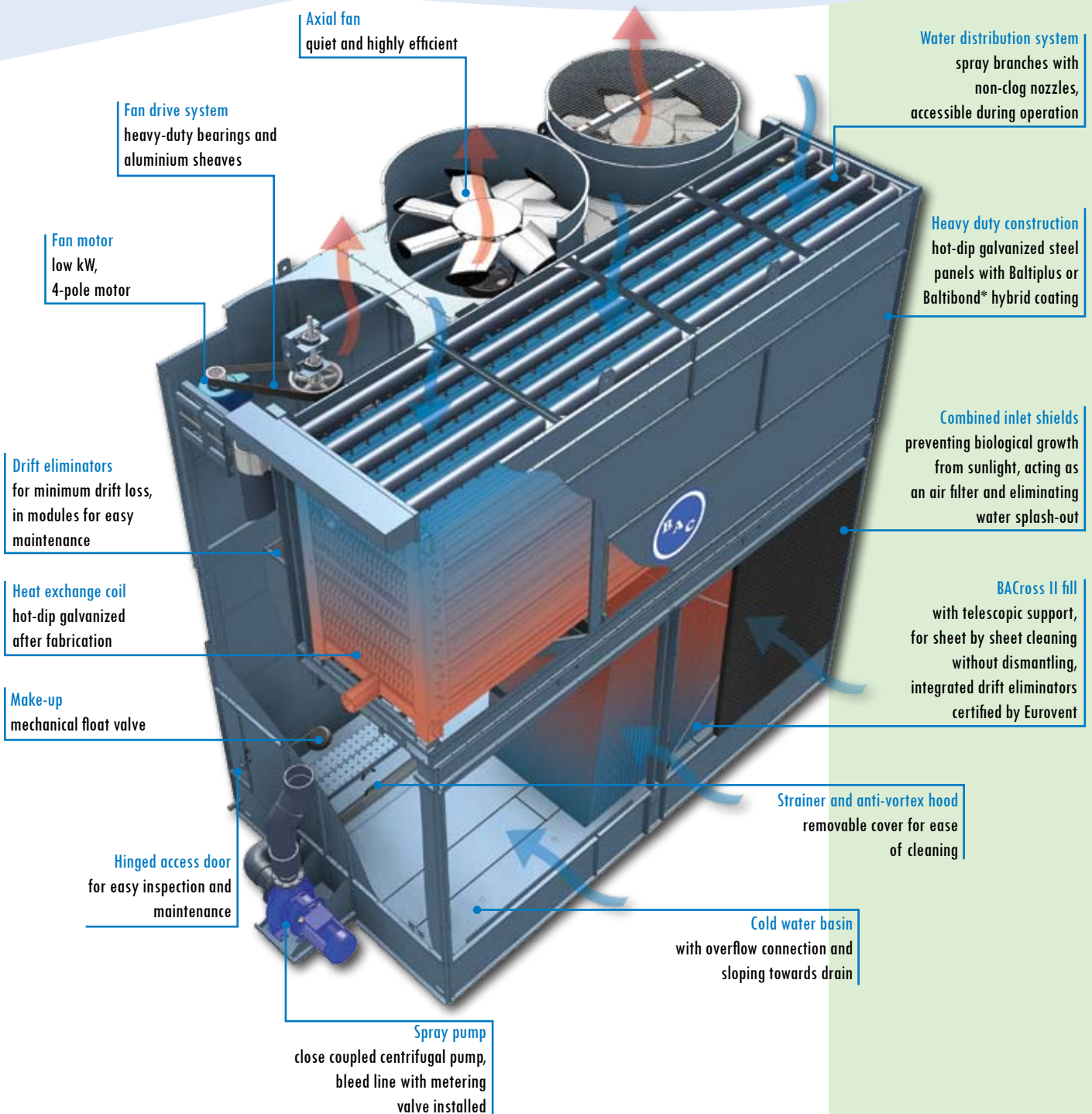


New Series 1500 Closed Circuit Cooling Towers FXVE

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.

FXVE combined flow closed circuit cooling towers use energy efficient axial fans with low sound emission and guarantee superb thermal performance. FXVE closed circuit cooling towers can be arranged in multi cells for large capacity requirements.

Single cell capacity up to 1790 kW



green tower

Energy efficient

Evaporative cooling equipment can minimize the energy consumption of the process to be cooled. In addition FXVE closed circuit cooling towers use a unique combined heat transfer system (coil on fill) for minimized system-wide energy consumption. FXVE has energy efficient axial fans.

Ultra silent design

FXVE closed circuit 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 fans*



Easily accessible fan drive system with extended lubrication lines*



Large access door and internal walkway*

low maintenance and easy inspection

- Full access to spray distribution and top of coil during operation.
- Inspection and maintenance can be done with comfort, while standing inside.
- The BACross II fill is telescopically supported for easy inspection.
- Large inward swinging access door.
- Spacious plenum and internal walkway*.
- Internal and external platforms and ladders*.
- Combined inlet shields are easily removable without tools.
- Extended lubrication lines* with easily accessible grease fittings.

unmatched hygiene control

- The BACross II fill is telescopically supported for easy cleaning of the core, sheet by sheet without dismantling. Fill 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 basin water (and spray water*) from direct sunlight and the intrusion of foreign matter.
- Sump sweeper piping* minimizing sediments in the cold water basin is available for use with side stream filtration.
- The clean-out port* helps remove silt and sludge from the basin.

year-round reliable operation

FXVE 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 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.
- **Positive closure dampers*** to minimize the heat loss due to convection.

long service life

FXVE closed circuit cooling towers offer a broad choice of **construction materials**, ranging from galvanized steel (Baltiplus) to the proven Baltibond* hybrid coating and stainless steel* (AISI 304 or 316).

The coil is constructed of continuous length of prime surface steel, hot-dip galvanized after fabrication. Tubes are sloped for free drainage of fluid. Designed for maximum 10 bar operating pressure according to PED. Optional stainless steel coils are in type 304L or 316L.

low installed cost

Easy on-site assembly of factory-built sections to reduce shipping and installation costs.

Full access to spray distribution and top of coil during operation



Easily removable combined inlet shields



Patented BACross II fill for easy inspection and cleaning

BALTIMORE AIRCOIL COMPANY

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.

ISO 9001:2008
certified



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 closed circuit 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 closed circuit 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, fluid type, 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 closed circuit cooling tower?
- How can I conduct maintenance and cleaning?
- 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 cooling tower installation, to ensure continuous efficiency of your process.



www.BaltimoreAircoil.eu
info@BaltimoreAircoil.eu



BALTIMORE AIRCOIL COMPANY

Your local contact :

... because temperature matters™