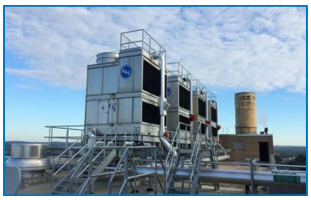
S1500E

Open cooling towers







Key benefits

- Extreme low sound levels matching centrifugal fan units with attenuation.
- Unmatched energy savings with less than 2 years payback.
- Low maintenance and easy inspection, 25% reduction in annual maintenance costs.

S1500E characteristics

Cross flow, Axial fan, induced draft

Capacity range

8 - 215 l/s
40% more capacity

Water distribution

Gravity with **variable flow**

Maximum entering water temperature

55°C standard fill
60°C with alternative fill

Typical applications

- Medium HVAC and industrial applications
- Counterflow and crossflow unit replacements
- Tight enclosures
- Installations requiring a single air inlet

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Extreme low sound levels

- A choice of various fan types such as low noise axial fans and Wisper Quiet fans for minimal surrounding noise.
- BACross fill smoothly guides the water all the way into the basin **without water splash noise.**
- Single-side air inlet, and a **quieter tower rear** for more noise-sensitive areas.
- Try our **XES1500E line** with smaller motors for **extremely low noise** levels.
- Factory designed, tested and rated sound attenuation is available on air inlet to cut operation noise even further.

Unmatched energy savings

- **Evaporative cooling** for system-wide energy saving at lower operating temperatures.
- **Axial fan** uses **half the energy** of similar centrifugal fan units.
- **Save pump kW!** Less pump head for this gravity water distribution system. In periods of reduced load, **weir dams** close off partly the hot water basin **saving pump energy**.
- BACross fill – factory-configured for maximum water/air contact and low air pressure drop for optimal cooling tower efficiency with limited energy consumption.
- **High efficiency fan motors**
- **Multiple fan motor system** covers independent fan motor and drive assembly per fan. In case of fan failure, the other fan(s) can still operate.
- **XES1500E** line with smaller motors to reduce electricity consumption for the same cooling capacity.

Low maintenance and easy inspection

- Unrivalled safe and **comfortable access.** Inspect and maintain the tower **while standing** and without crawling.
- The S1500E has a **spacious plenum** (internal area) and **easy inspection/maintenance access**.
- Access via **large hinged** door. With optional internal walkway: no basin draining needed for unit interior or fill pack inspection.
- Inspection of **water distribution system** (hot water basin and nozzles) possible outside the unit, during **operation** .
- Optional distribution basin covers prevent debris collecting in the unit.
- You can inspect and clean easily the core of the BACross fill **sheet by sheet without dismantling.** BACross design reduces fouling. Optional telescopic fill supports for easy replacement of the sheets.
- The fill includes integrated **drift eliminators** tested and certified by Eurovent.
- Self-cleaning cold water basin and fill above **sloped basin** to flush out dirt and debris.
- **Fans** are easily accessible from the in- and outside
- Optional clean out port **helps remove** silt and sludge from the cooling tower basin.
- Removable **suction strainer** anti-vortex hood.
- Optional sump sweeper piping prevents sediment collecting in the cold water basin.
- Various corrosion-resistant materials, including the unique Baltibond hybrid coating for guaranteed long service life.

- Optional motor removal davit for easy motor replacement.

Superb hygiene control

- Proper hygiene inspection **without unit shut-down**.
- Easy-clean and easy-inspect S1500E towers **reduce hygiene risks** from bacteria (eg Legionella) or biofilm inside.
- Self-cleaning cold water basin and fill above **sloped basin** to flush out dirt and debris.
- BACross fill for reduced fouling and easy sheet by sheet cleaning without dismantling.
- The fill includes integrated **drift eliminators** tested certified by Eurovent.
- **Combined inlet shields** block sunlight to prevent biological growth in the tower, filter the air and stop water splashing outside.
- Optional distribution basin covers prevent debris collecting in the unit.
- Optional clean out port **helps remove** silt and sludge from the cooling tower basin.
- Optional sump sweeper piping **prevents sediment collecting in the cold water basin.**

Ideal replacement unit

- **Single side air inlet and discharge,** fits in most enclosures.
- S1500E are **ideal replacement units**. Small fan motors and low spray pressure allow **re-use of existing electrical cabinet.**
- S1500E cooling towers are factory-built and shipped in 1 or 2 sections to reduce the overall size and weight, allowing **easy on-site section assembly** with smaller crane.

Year round reliable operation

- Optimal unit condition thanks to **inspection during operation.**
- Proven **freeze free** winter operation.
- The thermal performance of S1500E is tested and certified by Eurovent.
- **Multiple fan motor system** covers independent fan motor and drive assembly per fan. In case of fan failure, the other fan(s) can still operate.
- Various **corrosion-resistant** materials, including the unique Baltibond® hybrid coating for guaranteed long service life.

Interested in the S15000E cooling tower for cooling your process water? Contact your local BAC representative.

Downloads

- S1500E open cooling tower
- S1500E Open Cooling Tower - brochure

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- Operating and Maintenance S1500E
- Rigging and Installation S1500E
- Rigging and installation S1500E accessories and options
- Retrofit Opportunities for S1500E
- Spare Parts for S1500E
- BAC's S1500 open cooling tower is supporting the world's first hydrogen plant in steel production

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