

HXI

Closed circuit cooling towers



Key benefits

- No plume
- Superb water savings
- Cost saving

HXI characteristics

Combined flow, axial fan, induced draft
Hybrid wet-dry cooling

Capacity range

up to 1290 kW

Maximum entering fluid temperature

82°C

Typical applications

- Medium to large HVAC and industrial applications
- Water saving requirements
- Plume reduction requirements

No plume

- **Non-plume** wet operation thanks to [dry finned coil](#): it reduces humidity of discharge air from the prime surface coil.

Superb water saving

- Patented intelligent **flow control system**!
With a [3-way valve](#) for precise setting of outlet fluid temperature and unrivalled annual water-saving.
- Load profile-adaptable to **dry**, **adiabatic** or combined **wet-dry** operation.

Cost-saving

- [Evaporative cooling](#) PLUS unique [combined heat transfer system](#) for minimized system-wide energy consumption.
- **Axial fan** – half the consumption of rivals and huge single cell capacity: saving you more!
- Less water usage = less water costs = **less water treatment expenses**

Low maintenance and easy inspection

- **Inspect and maintain safely** HXI towers with unrivalled comfort, while **standing** inside.
- The HXI has a **spacious plenum** (internal area) and easy inspection/maintenance access.
- **Access via large hinged door to internal walkway**: no basin draining needed for unit interior inspection.
- Easy to inspect the **coil** during operation from the outside or from the inside via the **removable drift eliminator modules**.
- Easy to inspect the **fill** from the inside and via the **removable combined inlet shields** from the outside.
- The patented [BACross fill](#) sheets reduce fouling, allowing an easy inspection of the fill core without dismantling. Optional [BACross fill bundles](#) for quick and easy removal and cleaning of the fill.
- Self-cleaning cold water basin and fill above **sloped basin** to flush out dirt and debris.
- Removable **suction strainer** anti-vortex hood.
- Make-up, drain and overflow easily **accessible from the outside** for inspection and cleaning.

Flexible operation

- **Multiple fan motor system** covers independent fan motor and drive assembly per fan with a plenum partition for independent fan operation. For extra capacity control or stand-by fan in case of fan failure.
- Various **corrosion-resistant materials**, including the unique [Baltibond® hybrid coating](#) for guaranteed long service life.
- **Single-side air inlet and discharge**, fits in most enclosures.
- **Unique and patented heat transfer system**: featuring [combined flow](#) via heat exchange coil and fill



pack, for fine temperature applications and thermal challenges.

- Patented **intelligent flow control** system!

Maximum operational safety

- Easy-clean and easy-inspect HXI units **reduce hygiene risks** from bacteria or biofilm inside.
- **Combined inlet shields** block sunlight to prevent biological growth in the tower, filter the air and stop water splashing outside.
- The patented [BACross fill](#) reduces fouling.
- The **drift eliminators** certified by Eurovent, to prevent droplets escaping into the air.

Interested in the HXI hybrid closed circuit cooling tower for cooling your process fluid? Contact your local [BAC representative](#) for more information.

Downloads

- [HXI hybrid closed circuit cooling tower](#)
- [HXI hybrid closed circuit cooling tower \(brochure\)](#)
- [Operating and Maintenance HXI](#)
- [Rigging and Installation HXI](#)
- [Combined Flow Technology](#)