

FXVS

Closed circuit cooling towers











Key benefits

- Star in energy efficiency
- Low maintenance and easy inspection
- Unmatched hygiene control

FXVS characteristics

Combined flow, axial fan, induced draft

Capacity range

up to 1890 kW

Water distribution

pressurized

Maximum entering fluid temperature

82°C

Typical applications

- Small to medium HVAC and industrial applications such as water source heat pump loops and air compressor cooling.
- Tight enclosures and installations requiring a single air inlet.
- Ideal for unit replacement



Star in energy efficiency

- <u>Evaporative cooling</u> PLUS unique <u>combined heat transfer system</u> for minimized system-wide energy consumption. This patented combined flow design from BAC ensures unrivalled efficient heat rejection at the lowest possible energy input.
- Axial fan uses half the energy of similar centrifugal fan units.
- <u>BACross II fill</u> factory-configured for unrivalled water/air contact and minimal air pressure drop. Guarantees **optimal cooling tower efficiency**.
- High efficiency fan motors.

Low maintenance and easy inspection

- Inspect and maintain safely towers with unrivalled comfort, while standing inside.
- The FXVS has a spacious plenum (internal area) and easy inspection/maintenance access.
- Access via large hinged door to optional internal walkway: no basin draining needed for unit interior inspection.
- Inspection of water distribution system (spray branches and nozzles) possible outside the unit, during operation.
- 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 <u>BACross II fill</u> sheets reduce fouling and are telescopically supported, allowing complete inspection of the fill core without dismantling.
- 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.
- Make-up, drain and overflow easily **accessible** for inspection and cleaning.

Unmatched hygiene control

- Easy-clean and easy-inspect FXVS towers reduce hygiene risks from bacteria (e.g. Legionella) or biofilm inside.
- The patented <u>BACross II fill</u> sheets reduce fouling and are telescopically supported, allowing complete inspection AND cleaning of the fill core without dismantling.
- **Combined inlet shields** block sunlight to prevent biological growth in the tower, filter the air and stop water splashing outside.
- High efficient **drift eliminators** to prevent droplets escaping into the air. Their performance is tested and certified by Eurovent.
- 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.

Year-round reliable performance



- The thermal performance of FXVS is tested and certified by CTI-<u>Eurovent</u>.
- Unique and patented heat transfer system: <u>featuring combined flow</u> via heat exchange coil and fill pack, for fine temperature applications and thermal challenges.
- **Multiple fan motor system** covers independent fan motor and drive assembly per fan for stand-by in case of fan failure.
- Various corrosion-resistant materials, including the unique <u>Baltibond[®] hybrid coating</u> for guaranteed long service life.
- Single air inlet and discharge, fits in most enclosures.

Ultra silent design

- FXVS units include **low noise axial fans** for minimal surrounding noise. To reduce noise even further, choose for Whisper Quiet fans.
- Factory designed, tested and rated sound attenuation is available on air inlet to cut operation noise even further.
- Single-side air inlet, and a **quieter tower rear** for more noise-sensitive areas.
- BACross II fill guides smoothly the water all the way into the basin without water splash noise.

Cheap to install

• FXVS cooling towers are factory-built and shipped in sections for larger models to reduce the overall size and weight, allowing **easy on-site section assembly** with smaller crane.

You want to use the FXVS cooling tower to cool your process water? Contact your local <u>BAC</u> representative.

Downloads

- FXVS closed circuit cooling towers
- FXVS closed circuit cooling towers (brochure)
- Operating and Maintenance FXVS
- Rigging and installation FXVS
- BAC Eurovent Certification
- Spare Parts for FXVS
- Retrofit Opportunities for FXVS
- Combined Flow Technology