

CXVE

Refrigerant condensers



Key benefits

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

CXVE characteristics

- Combined flow, axial fan, induced draft
- PED/97/23/EC coil design

Capacity range

440 - 2765 kW
(for single cell models, nominal R717 kW's)

Typical applications

- Industrial refrigeration applications with low sound and energy requirements.



Star in energy efficiency

- [Evaporative cooling](#) PLUS unique [combined heat transfer system](#) 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.
- [BACross II fill](#) factory-configured for unrivalled water/air contact and minimal air pressure drop. Guarantees **optimal condenser efficiency**.
- **High efficiency fan motors**.

Low maintenance and easy inspection

- Inspection of **water distribution system** (spray branches and nozzles) possible outside the unit, **during operation**. Inspect and maintain safely CXVE condensers with **unrivalled comfort, while standing** inside.
- The CXVE 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.
- Inspect internal fill and coil easily via **removable drift eliminator modules**.
- The patented [BACross II fill](#) 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 CXVE towers **reduce hygiene risks** from bacteria (e.g. Legionella) or biofilm inside.
- The patented [BACross II fill](#) 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** certified by Eurovent to prevent droplets escaping into the air.
- 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**.

Reduced refrigerant charge

- There is **less coil surface** required because of the patented combined heat transfer system. This also means less refrigerant charge.
- Using less refrigerant charge **decreases** the operating charge of the overall system and **system costs**.



Year-round reliable operation

- Unique and patented heat transfer system: featuring [combined flow 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 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 [Baltiplus 810™ coating](#) for guaranteed long service life.
- **Single air inlet and discharge**, fits in most enclosures.

Ultra silent design

- CXVE units include **low noise axial fans** for minimal surrounding noise. To reduce noise even further, choose 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

CXVE condensers 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 CXVE condenser for your industrial refrigeration application? Contact your [local BAC representative](#) for more information.

Downloads

- [CXVE refrigerant condenser](#)
- [CXVE evaporative condenser](#)
- [Operating and maintenance CXVE](#)
- [Rigging and Installation CXVE](#)