

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

- <u>Evaporative cooling PLUS unique 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 <u>optimal condenser efficiency</u>.
- 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 <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 CXVE 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** 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 <u>combined flow via heat exchange coil and fill pack</u>, 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 <u>Baltiplus 810TM</u> 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 <u>local</u> <u>BAC representative</u> for more information.

Downloads

- CXVE refrigerant condenser
- CXVE evaporative condenser
- Operating and maintenance CXVE
- Rigging and Installation CXVE