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 2014/68/EU 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 optional 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 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 condensers **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 for stand-by in case of fan failure.
• Various corrosion-resistant materials, including the unique Baltibond hybrid 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 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 condenser 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 - brochure
• Operating and Maintenance CXVE
• Rigging and Installation CXVE
• CXVE value pack
• Aviko - The Netherlands - CXVE
• Spare Parts for CXVE
• Retrofit Opportunities for CXVE