

# CXV-D

## Refrigerant condensers



### Key benefits

- Star in energy efficiency
- Low maintenance and easy inspection
- Optimal performance guaranteed

#### CXV-D characteristics

- Combined flow, axial fan, induced draft
- PED 2014/68/EU coil design

#### Capacity range

2760 - 4035 kW  
(for single cell models, nominal R717 kW's)

#### Typical applications

- Very large industrial refrigeration and process projects
- Low energy requirements
- Low sound requirements



## Star in energy efficiency

- [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!
- [BACross® II fill](#) factory-configured for unrivalled water/air contact and minimal air pressure drop. Guarantees **optimal condenser efficiency** with cooling system energy well under control.
- **High efficiency fan motors.**

## Low maintenance and easy inspection

- Inspect and maintain towers with **unrivalled comfort and safely: while standing** inside.
- The CXV-D has a **spacious plenum** (internal area) and **easy inspection/maintenance access**.
- Inspect internal fill and coil easily via removable drift eliminator modules.
- The [BACross® II fill](#) is telescopically-supported for easy sheet by sheet inspection/cleaning and **no dismantling**.
- **Fans** are easily accessible from the in- and outside
- Self-cleaning cold water basin and fill above **sloped basin** to flush out dirt and debris.

## Optimal performance guaranteed

- Unique and patented heat transfer system: **featuring [combined flow](#)** via heat exchange coil and fill pack, for fine temperature applications and thermal challenges.
- **Huge industry-best single cell capacity!**
- [BACross® II fill](#) - patented sheet and **maximum air/water contact** for optimal heat transfer performance.
- Encased in **corrosion-resistant fibreglass** polyester for long service life.

## Reduced refrigerant charge

- **Less coil surface** (because of the patented combined heat transfer system) means less refrigerant charge and reduced overall system costs.

## Ultra silent design

- CXV-D 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.
- [BACross® II fill](#) guides smoothly the water all the way into the basin **without water splash noise**.

## Unmatched hygiene control



- Easy-clean and easy-inspect CXV-D condensers **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 **drift eliminators** to prevent droplets escaping into the air, are tested and certified by Eurovent .

## Cheap to install

- CXV-D 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.
- **Fewer coil connections**, reduce costs of pipe, valves, purges and labour.

**Interested in the CXV-D evaporative condenser for your industrial refrigeration application?** Contact your local [BAC representative](#) for more information.

## Downloads

- [CXV-D refrigerant condenser](#)
- [BAC condenser overview](#)
- [Operating and Maintenance CXV-D](#)
- [Rigging and Installation CXV-D](#)
- [Aviko - The Netherlands - CXVE](#)
- [Spare Parts for CXV-D](#)
- [Retrofit Opportunities for CXV-D](#)
- [Combined Flow Technology](#)