

VERTEX

Refrigerant condensers



Key benefits

- Reliability
- Easy access and safety
- Low maintenance and easy inspection

VERTEX characteristics

- Counter flow, axial fan, forced draft
- PED 2014/68/EU coil design

Capacity range

655 - 2785 kW
(for single cell models, nominal R717 kW's)

Typical applications

- Industrial refrigeration applications with focus on reliability, efficiency and minimal maintenance
- Tight enclosures and installations requiring a single air inlet
- Dry operation in winter time



Reliable operation guaranteed

- Enjoy peace of mind an uninterrupted operation with multiple fans, motors and operational redundant pumps.
- Multiple, individually driven fans guarantee **redundancy**.
- Fans, motor and drive system (V-belt) are located in the **dry air**, preventing moisture and condensation. No external moving parts, helping it withstand the toughest weather conditions.
- Various corrosion-resistant materials, including the unique [Baltibond® hybrid coating](#) for guaranteed long service life.

Low maintenance and easy inspection

- Inspect and maintain safely Vertex® condensers with **unrivalled comfort, while standing** inside on the internal walkway.
- **Access** via **large hinged door** to **optional internal walkway**: no basin draining needed for unit interior inspection.
- Easy to inspect the **coil** from the outside or from the inside via the **removable drift eliminators modules** or **internal walkway**.
- Ground level access to the drive system, pump(s) and terminal box eliminates the need for platforms or ladders to access them.
- **Reduce maintenance labor cost** by **50%** and address confined space hazards with a walkable, spacious interior and easy entry and exit.

More compact

- Compact design for **confined spaces**.
- Single-side air inlet let you install **next to a solid wall**.
- Vertex® units are **factory assembled**.
- We ship larger models in 2 sections to reduce the size and weight of the heaviest section for **easy on-site assembly** with smaller cranes.
- Vertex offers high capacity and minimal operating weight. **Save on steel supports**, both underneath the equipment and in the building itself for rooftop installations.

Easy access and safety

- Easy cleaning and improved hygiene with a compact, **sloped water basin**.
- The **air inlet shields** block sunlight to prevent biological growth in the unit and stops water splashing outside without reducing the condenser's capacity.
- Removable **suction strainer** anti-vortex hood.
- Make-up, drain and overflow **easily accessible** for inspection and cleaning.
- 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.

Energy efficient

- Evaporative condensers yield the lowest condensing temperatures and thereby minimize the system energy consumption.
- Highest capacity per footprint brings higher capacity or reduced energy usage for many replacement jobs.
- Axial fans, with high efficiency fan motors, use half the energy of similar centrifugal fan units.

Interested in the Vertex[®] evaporative condenser for your industrial refrigeration application? Contact your local [BAC representative](#) for more information.

Downloads

- [Vertex Evaporative Condenser Sales Brochure](#)
- [Operating and Maintenance - Vertex](#)
- [Rigging and Installation - Vertex](#)
- [Spare Parts for Vertex](#)
- [Retrofit Opportunities Vertex](#)
- [Vertex Evaporative Condenser](#)