PCE Refrigerant condensers





Key benefits

- Low energy consumption
- Low noise
- Easy to maintain

PCE characteristics

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

Capacity range

525 - 2715 kW (for single cell models, nominal R717 kW's)

Typical applications

- Industrial refrigeration applications
- Dry operation requirement in winter time

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Low energy consumption

- Evaporative cooling for system-wide energy saving at lower operating temperatures.
- Axial fan uses half the energy of similar centrifugal fan units.
- Factory tested high efficiency coil.
- High efficiency fan motors

Low noise

- PFE features low noise axial fans. To reduce noise even further, choose for Whisper Quiet fans.
- Factory designed, tested and rated <u>sound attenuation</u> is available on the discharge for further noise reduction.
- <u>Water silencers</u> achieve noise levels close to those of crossflow towers. Water silencers come always with Whisper Quiet fans.

Easy to maintain

- Easier to maintain than other induced draft counterflow condensers.
- BranchLok[™] water distribution each branch removable for easy cleaning.
- Combined inlet shields for easy no-tool removal.
- Motor adjusters: externally accessible and locking wrench for easy motor alignment and belt tensioning.
- Full cold water basin access when removing the combined inlet shields.
- Fans easily accessible via sliding access door.
- Optional clean out port helps remove silt and sludge from the basin.
- Removable suction strainer anti-vortex hood.

Operational safety

- Closed loop, no airborne contaminants enter and foul the system.
- Easy-clean and easy-inspect PCE condensers reduce hygiene risks from bacteria or biofilm inside.
- Self-cleaning cold water basin and fill above sloped basin to flush out dirt and debris
- **Combined inlet shields** block sunlight to prevent biological growth in the tower, filter the air and stop water splashing outside.

Ship and install PCE easily

- The **leak-free InterLok™ system** means swift PCE condenser on-site assembly. Install the basin on the upper section with no sealer tape in between!
- Compact footprint perfect for confined spaces.
- Container shipment often possible!

Interested in the PCE evaporative condenser for your industrial refrigeration application? Contact

your local <u>BAC representative</u> for more information.

Downloads

- PCE evaporative condenser
- BAC condenser overview
- Operating and Maintenance PCE
- Rigging and Installation PCE

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