Construction details

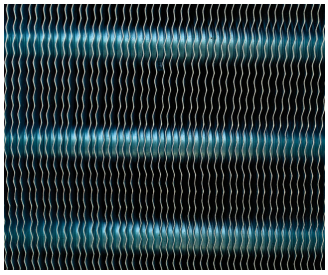
Previous generation products

Construction details

1. Material options

- Heavy-gauge hot-dip **galvanized steel** is used for unit steel panels and structural elements featuring **a zinc aluminium coating.** Outside casing featuring **Baltiplus corrosion protection**.

2. Heat transfer media



- The V-shaped finned coil is constructed of **staggered or parallel tubes in:**
  - seamless copper (15,9 diameter tubes, 0,4 mm thickness) with aluminium, rippled and corrugated fins (0,17 mm thick and 2,12 mm fin spacing).
  - or **stainless steel 304L (12,7 diameter tubes, 0,7 mm thickness)** with aluminium, rippled and corrugated fins (0,14 mm thick and 2,54 mm fin spacing).
- Thick and seamless copper or stainless steel headers and threaded steel connections
- Designed for maximum 21 bar operating pressure according to PED. Pneumatically tested for 30 bar.
- **Try our option for aggressive environments**: special pre-coated anti-corrosion aluminium fin.

3. Air movement system



- **Axial fan** with exceptionally **compact direct drive** short integrated motor and fan guard.
- The **low profile fan** with fan guard features an **impeller and motor** and is balanced as a complete unit using dynamic single plane balancing. Balance grade is G6.3.
- Fan and motor totally **maintenance free**, allowing frequent starting and -40° to 60°C air temperature.
- **Bearings seals and motor encapsulation** for long service life.

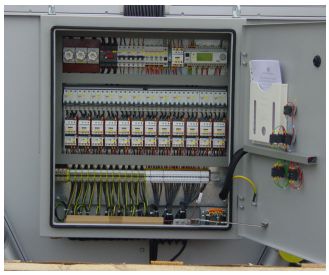
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For more up to date information, visit: https://www.baltimoreaircoil.eu/en/products/DCV-AD-construction-details

4. Adiabatic pre-cooler



- Evaporative cooling pad of **impregnated cellulose** with different flute angles encased in bolted heavy gauge **stainless steel**.
- **Distribution pad on top** for complete pad wetting.
- **Once-through** water distribution system, no need for pumps, water drained to sewage.

5. Electrical panel and adiabatic controls (option)



- Factory-installed electrical panel and **step controller or variable frequency** drive with integrated adiabatic controls.

Like to know more about the DCV-AD TrilliumSeries condenser construction details? Contact your local BAC representative.

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