

# Construction details

# Previous generation products

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## 1. Material options

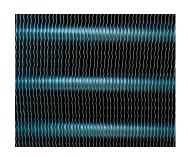
 Heavy-gauge hot-dip galvanized steel is used for unit steel panels and structural elements featuring a zinc aluminium coating. Outside casing featuring Baltiplus corrosion protection.

#### 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 anticorrosion 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.







## 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 <u>local BAC representative</u>.

