

# Construction details

## Evaporators

### Construction details

#### Casing

- **Standard** - Steel panels and structural elements are constructed of durable, corrosion resistant and self healing [Baltiplus 800™](#).
- **Optional** - Steel panels and structural elements are constructed of corrosion resistant [stainless steel](#) type 304.

#### Coil configurations

- **Coils** are manufactured according to ASME B31.5; pressure tested to 26 Bar with air under water and can be shipped with a nitrogen holding charge.
- Coils are **hot-dip galvanised** after fabrication, permanently bonding the fin to the tube.
- Each coil is **individually circuited** to suite specific applications, be it pumped recirculation or gravity fed systems.
- **Tubes** are constructed of 25.4 mm diameter, carbon steel.
- **Fins** are constructed of carbon steel, die-formed, in flat pattern.
- **Headers** are constructed of schedule 40 pipe as required by ASME B31.5
- Liquid header designed and manufactured to allow **complete draining**, suitable for hot gas coil defrost as standard.



#### Drain Pan

- **Standard** - Drain pan is constructed of durable, corrosion resistant and self healing [Baltiplus 800™](#).
- **Optional** - Drain pan is constructed of corrosion resistant [stainless steel](#) type 304.
- **Defrost**- Electric heating elements or hot gas coil with double skin.
- **Drain pan insulation** is available in [Baltiplus 800™](#) or [stainless steel](#) type 304
- **Drain pans** are furnished with an extra large drain connection.



## Fans & motors

- **Fans** are direct-drive, cast aluminium blade or polyprop (optional).
- **Fan motors** are foot-mounted on steel base plates, supported by fan housing constructed of heavy-gauge self healing [Baltiplus 800™](#). Motors are IP 55, totally enclosed, fan cooled (TEFC), furnished with low temperature grease and SATMOS treated.

**Interested in BAC evaporators?** Contact your [local BAC representative](#) for more information.