

# Construction details

## Open cooling towers

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#### 1. Material options

- Heavy-gauge hot-dip galvanized steel is used for external unit steel panels and structural elements featuring <u>Baltiplus Corrosion</u> <u>Protection</u>.
- The unique <u>Baltibond<sup>®</sup> hybrid coating</u> is an optional extra. A hybrid polymer coating for longer service life, applied pre-assembly to all hot-dip galvanized steel components of the unit.



#### 2. Heat transfer media

- Our heat transfer media is patented <u>BACross fill</u> with integrated <u>drift eliminators</u> certified by Eurovent. In comprehensive <u>lab thermal</u> <u>performance tests</u> it showed proved thermal cooling tower performance and offers you unrivalled system efficiency.
- The fill pack includes individual sheets which are easy to dismantle for inspection and cleaning, eliminating the need for frequent fill replacement.
- In self-extinguishing plastic, which will not rot, decay or decompose.
- For operation above 50°C, try our **optional high temperature fill**, usable with intake water up to 55°C.





#### 3. Air movement system

- FXT features a V-belt-driven axial fan system.
- The low kW fan fits in a fan cylinder for streamlined air entry and is mounted on a horizontal shaft supported by heavy-duty ball bearings. Together with the extended lubrication lines and the moisture protected motor, this guarantees optimal and year-round operational efficiency.
- Easy removable safety screen protects the fan system. Fan motor is accessible from outside the unit.



#### 4. Water distribution system

These consist of:

- Low pump gravity water distribution basin with wide non-clog plastic nozzles for uniform water distribution. You can easily clean and flush both nozzles and basin.
- A cold water basin with:circular access door, anti-vortexing strainers and make up both easily accessible from air inlet side.

**Need more information?** Contact your local <u>BAC representative</u>.

