

Open circuit cooling tower type CFR (open cooling tower)

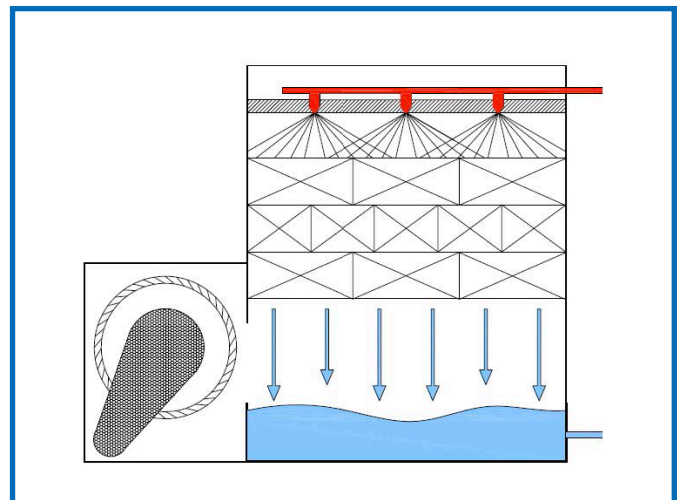


Open circuit cooling tower type CFR (open cooling tower)

The Almeco CFR type is an open counterflow cooling tower with a centrifugal forced draught fan. This type of cooling tower can be used for all applications where the water to be cooled may come into contact with air. All parts that come into contact with the water to be cooled are made of fibreglass-reinforced polyester, which means that they are completely free of rust. The support structure for the cooling tower casing and the drive system is made of hot-dip galvanised steel and therefore resistant to corrosion. Both the individual components and the cooling tower as a whole comply with the Best Available Technology (BAT) and the applicable legionella legislation.

Properties

- Materials highly resistant to all aggressive conditions, as well as to water that can be cooled down to 80°C
- Polypropylene distribution pipes and clogging-free nozzles in ABS
- The Almeco CFR is delivered in one part, if without silencers
- Cooling tower with limited height
- Double inlet centrifugal fan with forward curved impellers, static and dynamically balanced, made of galvanized steel sheet and epoxy coated
- Each cooling tower has 1 motor-fan, so never 2 fans on 1 axis
- Centrifugal fan for low noise level
- The fan is driven by an energy-efficient motor by means of V-belts
- All moving parts are fitted with protective grids in accordance with the applicable legislation
- Low noise cooling tower and noise can be further reduced by installing silencers (type Almeco CFR- LN)
- The centrifugal motor-fan set is mounted on the cooling tower via a flexible transition that counteracts the transmission of vibration and achieves a low noise level
- Highly efficient standard cooling tower packing and drift separator
- Cooling tower suitable for cooling water up to 80°C
- Easy to open and close access hatches, quick and safe access to all cooling tower components for inspection and maintenance
- Extra options:
 - Possibility to install a silencer, both on the air inlet and the air outlet side of the cooling tower (type CFR-LN)
 - Frequency controller (and motor equipped with PTC, ready for use with frequency controller)
 - Winter package, thermostat and immersion heater to prevent freezing of the water basin
 - Sensors for monitoring the water level in the basin, dry-running protection



Illustrations are for illustration purposes only and may differ.

Open circuit cooling tower type CFR (open cooling tower)

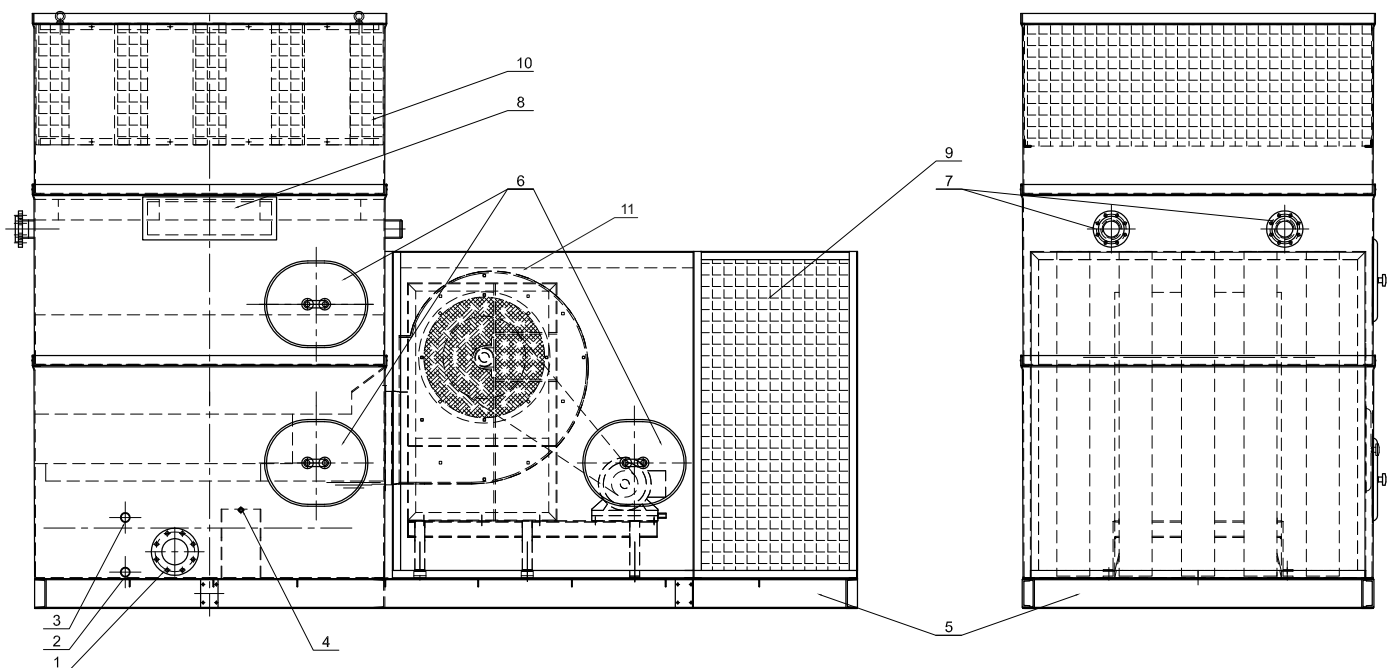
Our advantages

- Solid, corrosion-free FRP-casings
- Use of high quality components such as motors, fans, water distribution, drift separators and packing
- Use of energy-efficient motors IE3 provided for use with frequency controller
- Practical access hatches for easy, fast and safe inspection and maintenance
- Different types of cooling packing possible
- Assembled in the factory
**For transport, the silencers of LN models can be delivered separately*

Your benefits

- Extreme long-lifespan
- Resistant to all aggressive conditions
- Reliable operation of the cooling tower allows high process stability
- Low energy consumption
- Low costs of operation
- Easy to manage
- Low maintenance costs
- Matching the water composition and the environment where the cooling tower will be placed
- Assembly takes less time

Components



1. Cooled water outlet
2. Drain water basin
3. Overflow
4. Make up water valve
5. Cooling tower frame hot-dip galvanised
6. Stainless steel inspection hatches for control and maintenance of the water distribution system

7. Hot water inlet
8. Access hatch for drift separator control
9. Air inlet silencer
10. Air outlet silencer
11. Motor-fan

(differences are possible depending on the model)

AXON

axongroup.com

OUR BUSINESS UNITS:

- industrial fans
- fluid cooling systems
- drying solutions
- water treatment
- air treatment
- automation

ALMECO

info@almeco.be
www.almeco.eu

Almeco Belgium (HQ)

ALMECO NV
Royennestraat 51
B-7700 Moeskroen
+32 (0)56 85.40.80

Almeco The Netherlands

ALMECO NEDERLAND BV
Postbus 32
NL-5550 AA Valkenswaard
+31 (0)40 80.80.000

Almeco France

ALMECO FRANCE SARL
Rue de Luxembourg 67
FR-59777 Euralille
+33 (0)3 28.48.26.68

PCA

info@pcawater.com
info@pcacontrol.com
info@pca-air.com

www.pcawater.com
www.pcacontrol.com
www.pca-air.com

PCA Main office

PCA NV
Wijngaardveld 10
B-9300 Aalst
+32 (0)53 21.33.55

PCA Regional office

PCA NV
Royennestraat 51
B-7700 Moeskroen
+32 (0)56 55.00.90

info@axongroup.com