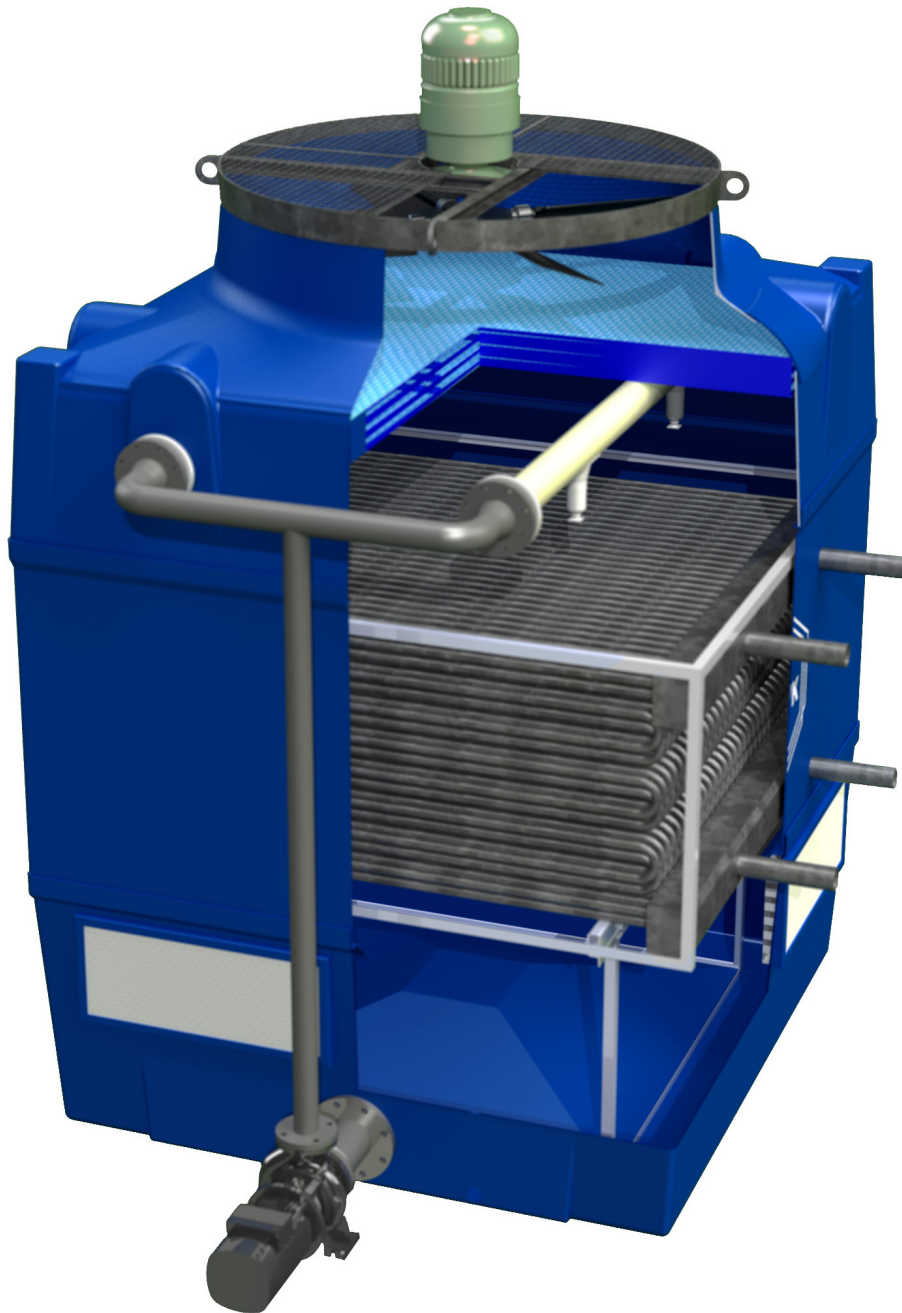


Closed circuit cooling tower type AIR-C-TG (closed cooling tower)



Closed circuit cooling tower type AIR-C-TG

The type Almeco AIR-C-TG is a closed counterflow cooling tower with axial suction fan.

This cooling tower can be used for all applications where the water to be cooled must **not** come into contact with air.

The entire casing of the cooling tower and the water collection basin are made of fibreglass-reinforced polyester, which means that they are completely free of rust.

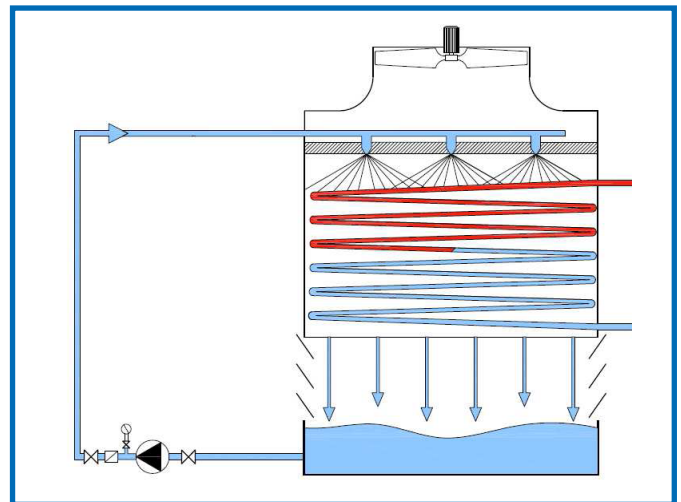
The tube bundle (heat exchanger) is made of hot-dip galvanised steel (stainless steel possible).

Both the individual components and the cooling tower as a whole comply with the Best Available Technology (BAT) and the applicable legionella legislation.

All models of this type are supplied including circulation pump and recirculation circuit for the evaporation water (secondary water circuit) designed in plastic pipes and therefore stainless.

Properties

- Axial fan, statically and dynamically balanced
- Each cooling tower has 1 motor-fan
- The water to be cooled, or water/glycol mixture, is in closed circuit and does not come into contact with air, so no contamination of the water to be cooled is possible
- The tube bundle (heat exchanger) made of high quality steel is hot-dip galvanized after production and pressure testing
- Excellent heat exchange performance thanks to the large heat exchange surface
- Highly efficient droplet separator in polypropylene, according to the applicable legionella regulations
- 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:
 - Full control with monitoring and management of all parts of the cooling tower possible
 - Motor bracket and protective grille in stainless steel 304 instead of hot-dip galvanised steel
 - Access ladder & hand rail to the fan motor
 - Low noise fan and/or silencer on the air outlet side possible
 - Sound-absorbing mat to reduce the noise of falling droplets
 - Vibration switch (vibra-switch) for detecting possible vibrations of motor/fan unit
 - Winter package, thermostat and immersion heater to prevent freezing of the water basin
 - Frequency controller (and motor equipped with PTC, ready for use with frequency controller)
 - Sensors for monitoring the water level in the basin, dry-running protection



Illustrations are for illustration purposes only and may differ.

Closed circuit cooling tower type AIR-C-TG

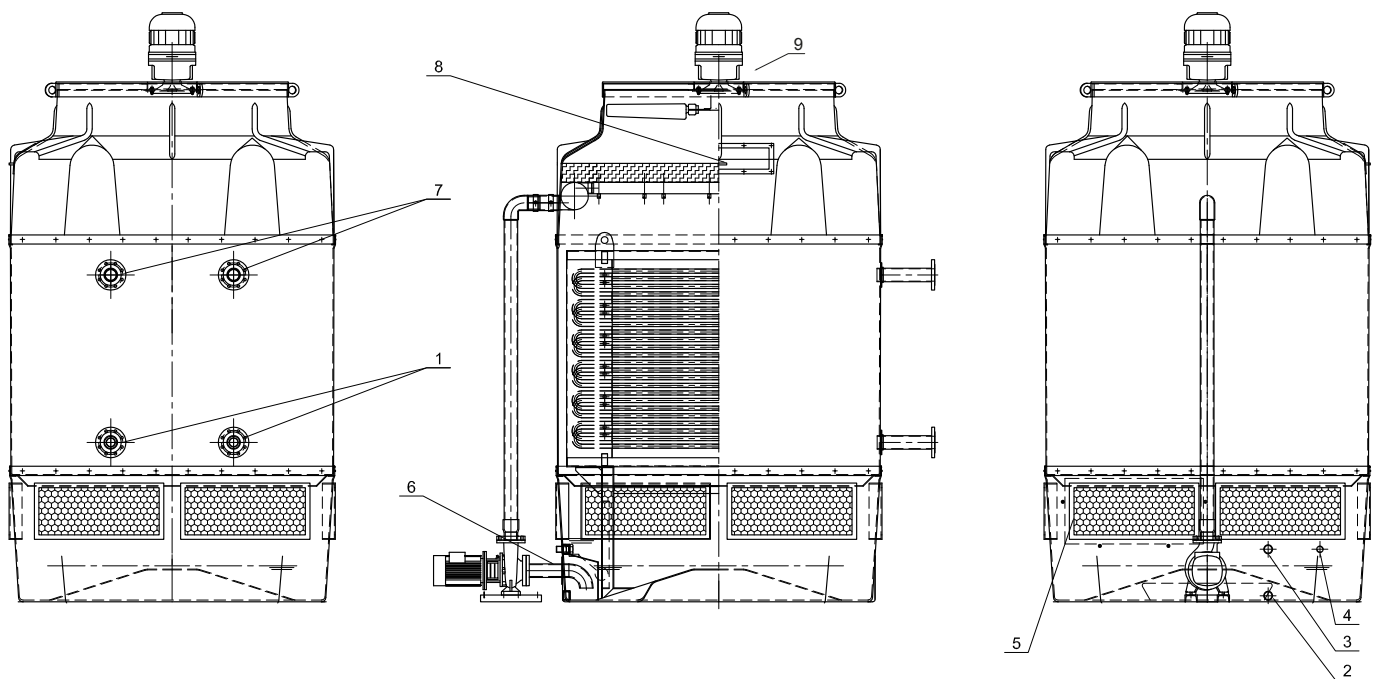
Our advantages

- Solid, corrosion-free FRP-casings
- Use of high quality components such as motors, fans, water distribution, droplet separators and tube bundle
- Use of energy-efficient motors IE3 provided for use with frequency controller
- Motor(s) of pump equipped with IE3 version
- Practical access hatches for easy, fast and safe inspection and maintenance
- Pre-assembled in factory, finishings at site

Your benefits

- Extreme long-lifespan
- Resistant to all aggressive conditions
- Reliable operation of the cooling tower allows high process stability
- In accordance with the applicable legionella regulations
- Low energy consumption
- Low costs of operation
- Easy to manage
- Low maintenance costs
- Assembly takes less time

Components



1. Cooled water outlet
 2. Drain water basin
 3. Overflow
 4. Make up water valve
 5. Water basin access hatch for inspection and maintenance
 6. Intake evaporation water
 7. Water to be cooled inlet
 8. Access hatch for drift separator control
 9. Motor-fan
- (differences are possible depending on the model)

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- water treatment
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- automation

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