

Water flow range : from 15 to 295 m³/h
Cooling capacity : from 50 to 3 000 kW

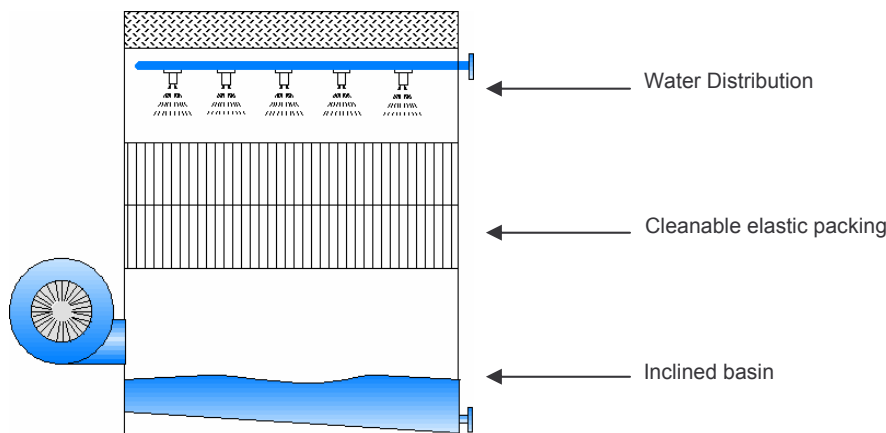
ATM Series

Open circuit Cooling Towers

Modular open circuit cooling tower : **ATM** Series

Excellent acoustics and water savings.

Fans manufactured by **JACIR - Air Traitement** have continuously been perfected over the years. The large double inlet polyester cones made of polyester allow low total pressures and slow rotation speeds with very low sound level. This leads to a very low power consumption of the fan motors. The fans located in the dry air flow and outside the tower's basin, are protected against corrosion with a thick rubber based coating (350 to 400 microns on all the surfaces).



COFINTER exchange surface

Manufactured by **JACIR - Air Traitement**, this exchange surface is made of welded high-density polyethylene with the following advantages :

- ✓ Cleanable with high pressure water jet (75°C) and by elastic distortion,
- ✓ Low pressure drop,
- ✓ Maximum exchange surface (up to 280m²/m³),
- ✓ Non-putrescent and long-lasting,
- ✓ High transfer coefficient allowing minimal air flow.

Water distribution

Water is distributed by polypropylene and PVC pipes, and by nozzles especially designed to achieve optimal distribution at a very low height. The water is distributed in a full conical jet, improving the exchange thanks to a turbulator in each nozzle. The exchange surface is then totally used.

Tower casing

All the panels are folded twice at the 4 sides. This concept enables extremely rigid sheets which, once assembled, provide an unequalled sturdiness to our towers.

Modular conception

According to the technical selection, the tower will have a suitable number of modules (up to 5) and will be equipped with the same number of fans.

Unique standard height for **ATM** without option : 2.37m.

Options

Automated Inductive Deconcentration device, 2 speed motors, support beams, electric level control with electro-valve, explosion-proof motors, air dumper, electrical connection box, high temperature packing, assembly on site, etc...

Environment protection

Three levels of sound attenuation :

- ✓ sound attenuation **IB**,
- ✓ complete sound attenuation **ICV** or with double casing **ICV(K)**,
- ✓ Special sound attenuation **NR 30** (approx. 35dB (A) at m 10).

Plumeless system : **JACIR - Air Traitement** system

(Option : see open circuit hybrid towers series **ATIM**)

- ✓ Plume reduction system,
- ✓ Plume suppression system,
- ✓ 30% to 50% water savings.

Large capacity basin

The inclined basin incorporated to the tower (490 litres to 610 litres per module) has been designed to take the installation respond time into consideration. Finally, all the connections are fitted on the same panel (overflow, drain, make up water supply, electrical heater ...)

Anti-corrosion protection - 3 options :

- 275gr / m² galvanized sheets coated outside with zined paint. All the sheets are folded onto the outside of the tower in order to ensure that the inside of the tower is completely protected by the zinc coating.
- Stainless steel sheets (304 L or 316 L).
- Option for protection with a polyester powder baked before assembly of the tower (for all sheets not in direct contact with water).



Distributed by ...