

# **ATM** OPEN COOLING TOWER

## **ATIM** HYBRID OPEN CIRCUIT COOLING TOWER

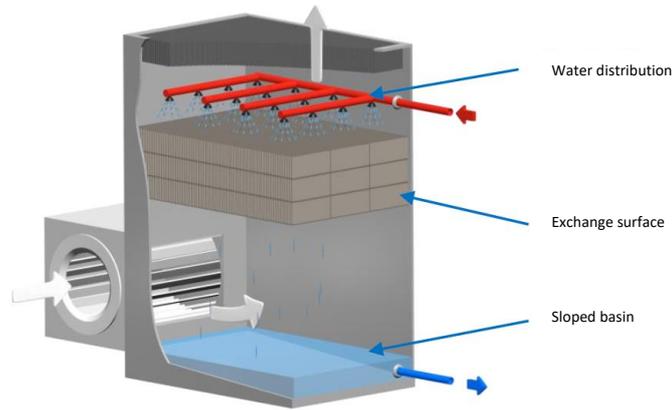
COMMERCIAL DOCUMENTATION



Water flow from m<sup>3</sup>/h 60 to 295  
Power from kW 300 to 3 000

**Modular conception**  
&  
**Multi ventilation**

## Open circuit tower: ATM serie



### Tower casing

In standard, self-supporting rigid panels are in galvanised steel ZENDZIMIR process  $\text{gr/m}^2$  275 (galvanised plates are protected by the zinc oxidation on the surface). 2 or 4 folds on the four sides of the casing, plates are assembled with waterproof stainless-steel rivets (uniform, high-density locking), and without welding or screwing for the parts in contact with water. Once assembled, panels give our towers **solidity** and **incomparable tightness**.

In option, X-STEEL stainless-steel is available (corrosion resistance higher than L316)

### Basin

The **inclined and plane basin** is equipped with a drain connection and a **Power Flow** hatch below the low level of the basin to boost an **easy and quick evacuation** of any impurities during the cleaning.

A large access door (mm 540 x mm 390) is integrated in order to ease the **accessibility** to the basin.

It has been integrated to the tower (L 490 x L 610 per module) and has been designed to answer the response time of the setting-up. Finally, panels have all servitudes (overflow, drain, water make-up, antifreeze resistance, ...)

### Exchange surface: EFFI-PACK

**EFFI-PACK** exchange surface is made of PP sheet, UV and crumbling resistant. Its design offers an **important free surface** within the exchange surface, which is limiting risks of clogging. High resistance to chemicals and impacts, it has an excellent temperature resistance.

### Options

Plume suppression coil (ATIM hybrid serie), two-speed-motor, beams, electrical level control with electro valve, electro valve guided by level contractors, electrical cabinet, speed variator, **EFFI-SILENT** basin sound attenuation, assembly on site, ...

### Modular conception

The ATM serie is available from 4 to 5 modules, each of them being equipped with a fan, and fans being drive by 1 or 2 motors maximum

The **unique height** of the ATM serie without option: 2,42m.

### Fans

The centrifugal fans are especially designed and manufactured by **Jacir**, and upgraded throughout years. The impeller is a double side air inlet and the air inlet ducts, made of polyester, allow a total pressure and a low rotation speed resulting in a **very quiet and a low power consumption operation**. These fans, placed in the airflow inlet and out of the basin, are protected from corrosion by an ELASTAIR coating (thickness:  $\mu\text{m}$  350-400), ultra-violet proof.

### Water distribution

Water distribution is made of PVC pipes equipped with polypropylene nozzles. Especially designed to achieve **optimal water distribution at a very low height**, nozzles distribute water in form of a cone of a full jet cone in order to obtain an even distribution over the entire exchange surface. Screwed to the pipes, they allow an **easy disassembly** while ensuring a **good mechanical strength**

### Sound attenuation

Level of acoustic protection proposed as an option:

- **IB** standard sound attenuation;
- **ICV** complete sound attenuation;
- **ICVK** complete sound attenuation with double casing.