

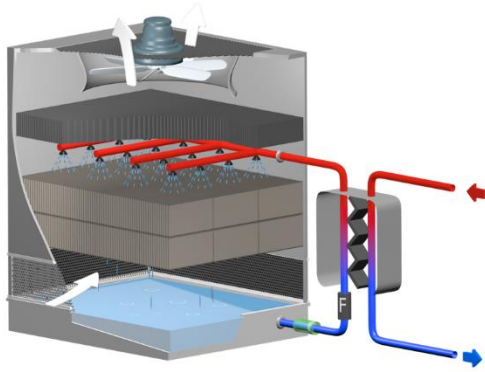
VAPF(X)

Simple & clean



- ◆ *Exceptional lifetime*
- ◆ *Simplified maintenance*
- ◆ *Complete disassembly and cleaning*
- ◆ *Direct coupling fan/motor*

Induced draft closed circuit cooling tower: VAPF series



Basin

The VAPF can be delivered with or without polyester basin. It is made in one or two parts, assembled with external flanges to avoid bolting in contact with water. In that way, the biofilm growth is slowed. To secure the circuit cleanness, the complete drain of the basin is easy thanks to the slope and to the drain outlet, located at the lowest part of the basin. Sun ray proof louvers prevent both splash out and direct UV rays inside the basin to slow down bacteria growth.

Water distribution

It is made of high-density Polyethylene pipes fitted with low pressure nozzles. Their design secures even water splash on the whole section of the packing. The large diameter nozzles (12 to 32 mm) are highly resistant to clogging and generate mainly large size drops. These drops are less sensitive to drift. Therefore, the bacteriological contamination risk is reduced.

Plate Heat Exchanger

Supplied on its frame, the plate heat exchanger does not require any anti-freeze protection: in case of electrical stop, the water-cooling tower circuit automatically drains by gravity down the basin, protecting by the way plates and gaskets of the exchanger. Also equipped with its pump, pressure meters and FRC centrifugal filter (JACIR patent) for complete clean circuit

Options

X-STEEL casing (VAPFX), basin, louvers, grid below the packing for internal access, water heater with thermostat, frequency convertor, HDPE counter flanges, caged access ladder, etc.

Casing

It is made of self-supporting Fiber Reinforced Polyester panels. All the steel parts for the assembly are inserted into the polyester. The corrosion resistance is absolute. A special care is given to the internal surface, to make it smooth to slow biofilm growth.

Accessibility

A large door, opening the tower on its whole height gives a full access to safely control, remove all the internals. Sun ray proof louvers can be easily removed, to give access inside the basin. The cleaning is then very simple and efficient.

Mechanical coupling

In order to reduce operation and maintenance costs, and to improve reliability, the coupling of the fan to the motor is direct; no belt, no gear. In that way, JACIR has chosen low speed motor with direct fan coupling.

Exchange surface: EFFI-PACK

The packing is made of PP, and provides the maximum exchange surface, this material is long lasting, has good resistance to temperature (75°C continuous), and can be handled easily. Range of operation up to 95°C upon request (optional).