

## TEC

Sliding casing cooling tower

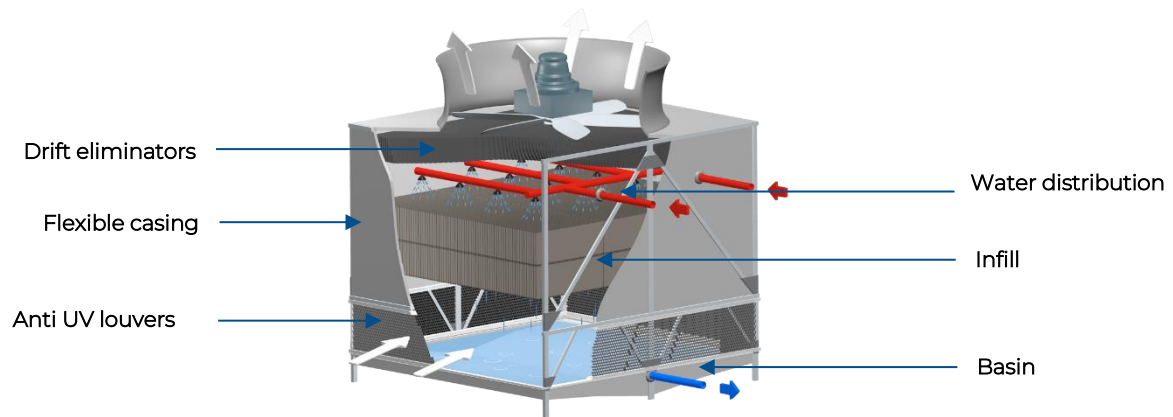


Water flow rate: from 250 to 10 000 m<sup>3</sup>/h  
Power: 1 450kW to 58 000kW

- *Corrosion free materials*
- *Exceptional long-lasting*
- *Easy maintenance*
- *Totally accessible for cleaning*

COMMERCIAL DOCUMENTATION

## Sliding casing cooling tower: TEC series



### Casing

The casing is designed in stitch of fiberglass high density weaved (900 gr / m<sup>2</sup>) with a perfectly smooth and resistant PVC coating. It is hanged on stainless steel rolling rails on 2 sides for **very fast and complete opening and a closure**.

### Access

The complete opening on its 2 adjacent sides allows access to all internals of the cooling tower in order to inspect and/or remove the components. Safe access to motor fan set is possible from the inside or in option by external walkways at the top of the unit.

### Mechanical coupling

Ultimate industrial application for intensive 24/24 operation, motor fan coupling is ensured by a parallel shaft gear box. **Easily accessible for drain and oil level control**.

### FREEFILM: exchange surface

Installed on FRP support beams, it is made of PVC sheets of 20 mm large section channels shaped to ease the cleaning. It is adapted for a water temperature use up to 55 °C, and as an option up to 70 or 80 °C. This design combines both extended high efficiency exchange surface with high clogging and fouling resistance.

### Factory assembled Construction

The TEC structure is totally non-corrodible, made of composite pultruded beams and assembled with stainless steel X-STEEL plates.

The TEC range modules are pre-assembled in factory in order to reduce erection time on site.

### Basin

The TEC range may be supplied with an optional FRP basin. It is made of two or three parts assembled with stainless steel bolts.

The central slope and the drain outlet located at the lowest part of the basin makes easier and complete draining and cleaning.

Sun ray proof louvers prevent both from splash out and direct UV rays inside the basin to **limit bacteria growth**.

### Water distribution

Water distribution is ensured with high density polyethylene pipes fitted with low pressure nozzles. Their design secures an even watering on the whole section of the packing. The large diameter nozzles are **highly resistant to clogging** and generate mainly large size drops. These drops are less sensitive to drift. Therefore, the **bacteriological contamination risk is significantly reduced**.

### Options

Basin, louvers, water heater with thermostat, frequency drive, Polyethylene counter flanges, sound attenuation (s), caged access ladder, casings also available in galvanized steel, stainless steel X-STEEL or FRP.