

X-TAR

Cross flow open circuit cooling tower XTO



- *Maximum energy efficiency*
- *Modular construction*
- *Design for easy maintenance*
- *ERP 202x compliant.*

Commercial Documentation

Cross flow open circuit cooling tower: XTO

The casing of the tower

All the sheets constituting the casing of the tower are made with a double or quadruple fold on all 4 sides in silver steel, option stainless steel **X-STEEL** whose **corrosion resistance** is superior to that of 316L. Sealing between the panels is ensured by a specially designed high filling power seal. This design results in extremely rigid panels which, once assembled, give our towers **unrivalled strength and tightness**.

The basin

In order to reduce the growth of bacteria, the panels are assembled without welding or screws for the sheets in contact with water. The sloped and flat basin is equipped with a drain and **POWER FLOW** access below the low level, allowing a **quick and easy emptying** of any impurities during cleaning. The light is obscured at all upper part of the basin.

Louvers

Attached to their stainless-steel support, the louvers protect against water splash and direct UV rays in the basin.



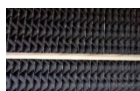
Exchange surface X-PACK

X-PACK infill blocks are made of thermoformed and welded polypropylene sheets. This exchange surface has an inclined cut, is **shock resistant** and offers a maximum heat exchange surface. Resistant up to 75°C in standard version, its **excellent thermal efficiency** and low pressure drop promote energy savings.



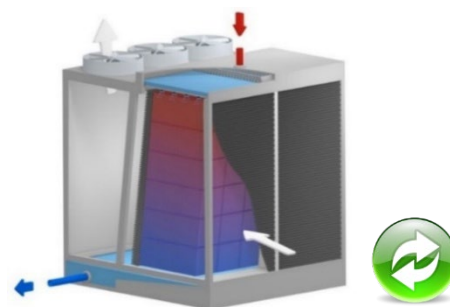
Drift eliminators

Highly efficient, the drift eliminators are made of PVC sheets. They eliminate water entrainment at the tower outlet: the vesicular entrainment is 0.01% maximum of the recirculating flow.



Accessibility

To ease inspection and maintenance, the **X-TAR** range is equipped with a total opening without threshold and with a mechanical shutter fitted with its safety sensor.



Water distribution

The water is distributed by a gravity water distribution tank equipped with highly-efficient polypropylene nozzles distributing water evenly over the top of the exchange surface and operating at **low pressure** (0.01 bar).



Motorcycle-fan unit

The specially developed EC (Electronic Switching) technology motors **with optimized noise levels** are more efficient than IE5. Coupled directly to their helicoidal low speed and low noise fan, this combined system provides **energy efficiency and optimised acoustics**.



This exceptional performance puts the **X-TAR** range at **top of energy efficiency**. This efficiency is all the more important when the motors operate in variable speeds, which is systematically the case with this range. A junction box installed at human height allows easy connection of all motor-fan units.

Compliant with **Eco-design** regulation (EU) 327/2011 on the implementation of Directive 2009/125/EC (ErP) for minimum efficiency thresholds after 202x.

Options

X-STEEL stainless steel tower casing – Antifreeze heater with thermostat – Automatic Inductive Deconcentration (DAi) – Iron supports – Electrical cabinet – Ladders and walkways – Handling bracket system – On-site assembly – Commissioning by our specialised technicians.