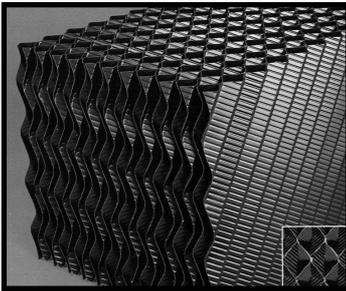


### CONSTRUCTION DETAILS

#### CASING

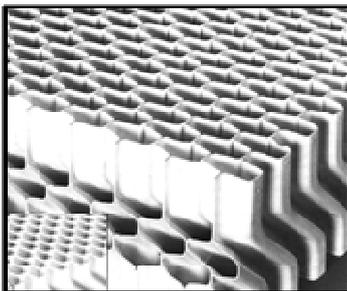
Manufactured in Fiberglass Reinforced Polyester (FRP) and in self supporting type, with inside reinforcement in polyester without iron structures, thus highly resistant to all aggressive environments. All inside screws, clamps and fixation profiles are in stainless steel AISI 304. From the model TLA-50 are equipped with a circular access door. Grey is the standard colour, but the request may be made in any colour.

#### WET DECK SURFACE (FILL)



Film type fill formed by PVC (polyvinyl chloride) sheets of small, medium or large wave, with diagonal and overlapping waves with alternating tilt to cause turbulence in both fluids (water and air) in counterflow. It is resistant to corrosion, degradation and biological attacks. In the standard version it can work with water until a temperature of 55 °C. For dirtier water and / or higher water temperatures (up to 75 °C) it may be provided other film and / or SPLASH Fill type.

#### DRIFT ELIMINATORS



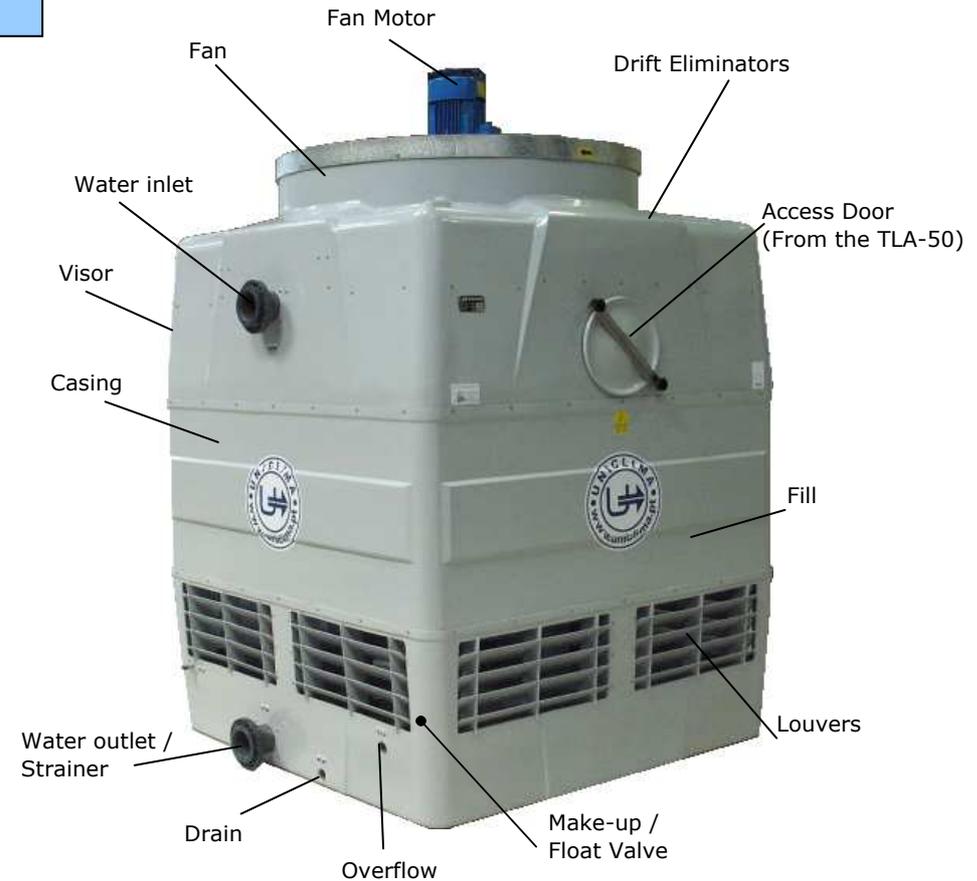
The drift eliminators are manufactured with PVC sheets with three changes of direction and drift losses lower than 0,002% of the design flow rate.

#### CIRCULAR ACCESS DOOR

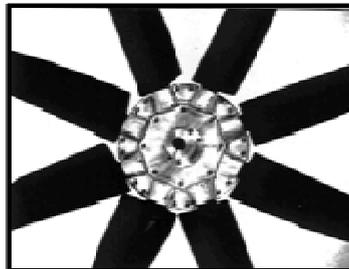
Allows access for inspection and maintenance of internal components.

#### STRAINER

It has a large dimension and configured to prevent cavitation. It is easily removable for cleaning. It may be in stainless steel.



#### FAN SECTION



The fans are axial type with blades in PPG (Glass reinforced polypropylene) of high mechanical resistance to corrosion and can support temperatures up to 90 °C.

From the model TLA 35, the blade angle is adjustable to obtain the desired air flow rate.

The blades are tight to the core with stainless steel screws.

The fans rotate within surrounding designed to allow a direct air admission and to minimize the peripheral losses to obtain an optimal performance of the fan.

The movement is transmitted to the fan by an electric motor with direct coupling, thus avoiding all the inconveniences caused by reducers or other transmission systems.

#### WATER MAKE-UP VALVE

Allows automatic reintegration of water. It is equipped with plastic or copper float ball stainless steel valve.

#### ELECTRIC MOTORS

The electric motor of the fan is of closed type with ventilated housing, TEFC and IP55 protection. The application may be supplied with two speeds. This motor is designed specifically for Cooling Towers with ARGUS 55 protection, anterior and posterior bearings reinforced.

#### WATER DISTRIBUTION SYSTEM

Comprises a header and branches with spray nozzles in ABS the low pressure and large orifice openings to eliminate clogging. Allows an easy disassembly for inspection and cleaning.

The inlet and outlet water connections are equipped with standard PVC flanges.

#### OPTIONAL ACCESSORIES

- **TWO SPEED MOTOR** to reduce the number of fan rotations and the consequent adjustment of capacity.

- **ELECTRIC WATER LEVEL CONTROL** may be provided instead of the float valve. Allows precise control of water level and possibility of remote warning of water shortages.

- **ELECTRIC IMMERSION HEATERS** with control and safety thermostat, to avoid basin water freezing.