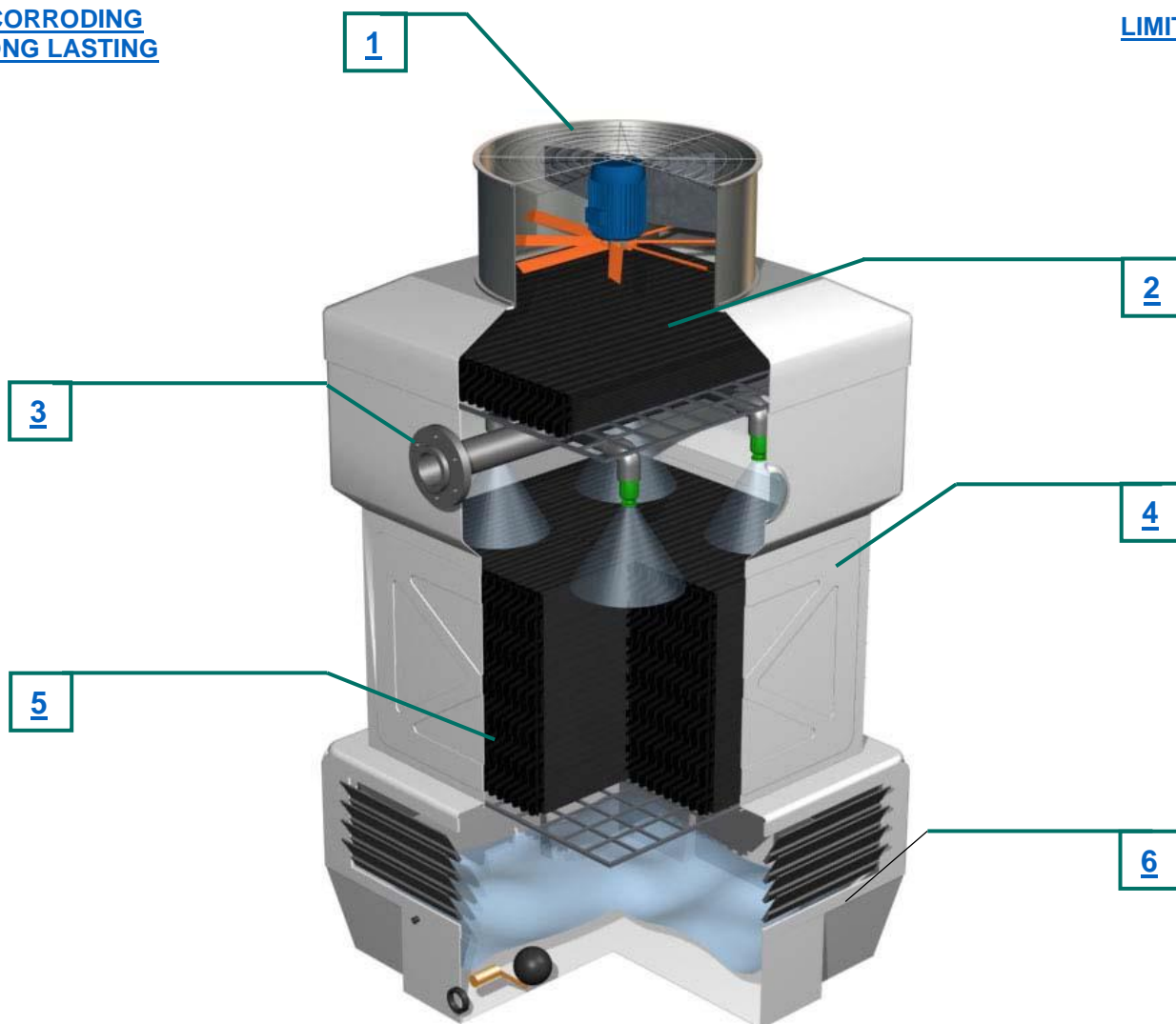




**NON-CORRODING
AND LONG LASTING**



LIMITED NOISE



Induced Draft Axial Fan Counterflow Cooling Tower

Factory Assembled - Modular Compact Design

1	IP56 Motor(s) directly coupled to low noise and high efficiency fan
2	EUROVENT Certified High Efficiency DRIFT ELIMINATORS made of polypropylene (PP) sheets
3	Water distribution system with non-clogging tangential Polypropylene (PP) nozzles for a full cone water distribution. Flanged water inlet connection
4	Shell (casing, top and optional basin) entirely made of fibreglass reinforced polyester (FRP)
5	FILL PACK: cross-fluted PVC or PP sheets; several fill pack solutions based on the quality of water
6	Fibreglass reinforced polyester (FRP) water collection basin with sloping base and smooth internal finish with rounded corners for easy cleaning

1. MOTOR FAN GROUP

UPPER SECTION(S)

smooth faced air entry fan cylinder(s) entirely in fibreglass reinforced polyester (FRP) with gel-coat for UV-protection.

High efficiency directly coupled axial fan motor(s) assembly designed to efficiently convey discharge air.

AXIAL FAN SYSTEM

- hot-dip galvanised steel after fabrication support
- propeller fan in plastic material, with blades connected to central aluminium hub directly coupled to the motor
- **IP56** sealed execution fan motor(s) (special version for MITA cooling towers)
- multi-voltage (230/400/3/50), (50/60 Hertz), Class F insulation
- protection of the motor-fan set(s) is provided by a grid(s) in stainless steel **AISI 304**.
- electric motor(s) suitable for operation with frequency converter.



2. DRIFT ELIMINATORS

EUROVENT Certified High Efficiency DRIFT ELIMINATORS

consisting of sheets in polypropylene (PP), thermoformed under vacuum and welded together to form panels of such shape and size as to guarantee maximum efficiency of droplet separation from the airflow produced by the fan, reducing substantially the drift water.

3. WATER DISTRIBUTION SYSTEM

WATER DISTRIBUTION SYSTEM made of UNI-EN-PN 10 pipes and connectors in PVC or PP, full cone (non-clogging) polypropylene spray nozzles for even water distribution.

The water distribution system is supplied complete with manometer for regulation of input water pressure.

Flanged water inlet connection(s).



4. STRUCTURE AND CASING

SHELL (casing, top and optional basin)

made entirely of fibreglass reinforced polyester resin, structurally self-supporting and of exclusive MITA design, with gel coat external finish as UV-protection.

For the version with basin: the water collection basin is totally in fibreglass with sloping base and smooth internal finish with rounded corners for easy cleaning.

Flanged water outlet connection(s).

SUPPORTS

for the fill pack (if necessary, depending on the model) and droplet eliminators in hot-dip galvanised steel after fabrication*.

NUTS AND BOLTS

in stainless steel **AISI 304**

INSPECTION HATCH

In plastic material, easy to open for visual inspection inside the tower.

Optional: metallic parts in stainless steel 314 or 316



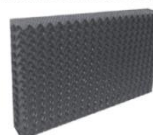
5. FILL PACK

FILL PACK (or heat exchange surface) consisting of efficiency cross-fluted PVC or PP sheets, thermoformed under vacuum welded together into lightweight blocks.

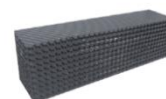
CW fill pack type (used as standard) is suitable for clean water and it's resistant to rot, decay and biological attack.

Alternative heat transfer fill packs are available for clean industrial water ("K19" type) and/or dirty process water ("NVP" vertical film / "GS" grids) and/or high temperature water ("ATT" version).

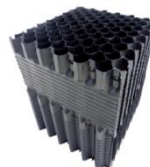
"K" fill pack panel with 19 mm FLUTE (PVC or PP)



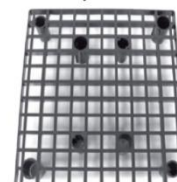
"K" fill pack panel with 12 mm FLUTE (in PP)



"NVP" antifouling fill pack panel (in PVC or PP)



"GS" fill panel in PP



Supply of the tower is limited to the parts listed above. Building and electrical works, pumps, collectors external to the tower, valves, hoisting gear and any scaffolding and labour are therefore excluded. Accessories and/or constructional variants are available on request. MITA Cooling Technologies S.r.l. may carry out constructional improvements without notice. Images for illustration purposes only.