

M-GEL

Non corroding water cooling towers

M-GEL series



**1** M-GEL series cooling towers

**2** Main characteristics

**3** Accessories



Adjustable water fittings



Access door



Pump and fan control panel

**1** The MITA "M-GEL" cooling tower is a device designed and built specifically for the recover of water - by means of cooling - used in the circuits of equipment normally used by ice-cream parlours (pasteurisers, creamers, refrigerators, etc.). Refrigerating machines are water cooled and use huge amounts of water. The ideal solution to avoid wasting water is the use of a cooling tower that exploits a simple natural principle, whereby forced evaporation of a minimum quantity of water causes a reduction in the temperature of the main mass of water. The cooling tower is compact and small, nearly entirely built from plastic (fibre-glass) and has a centrifugal fan system plus water recycling pump. The tower is pre-assembled on a hot galvanized steel trolley fitted with castor wheels for easy movement. It comes in an outdoor version ("free" air venting, when fitted outside the workshop) and an indoor one ("ducted" air extraction system, for installation inside the workshop, in which case a wall vent need to be fitted for the saturated air). The direction of the water and air intake fittings can be adjusted to suit individual plant.

**2** Max heat potential: 45.000 kcal/h  
(working conditions 34/29/24°C)

Construction details:

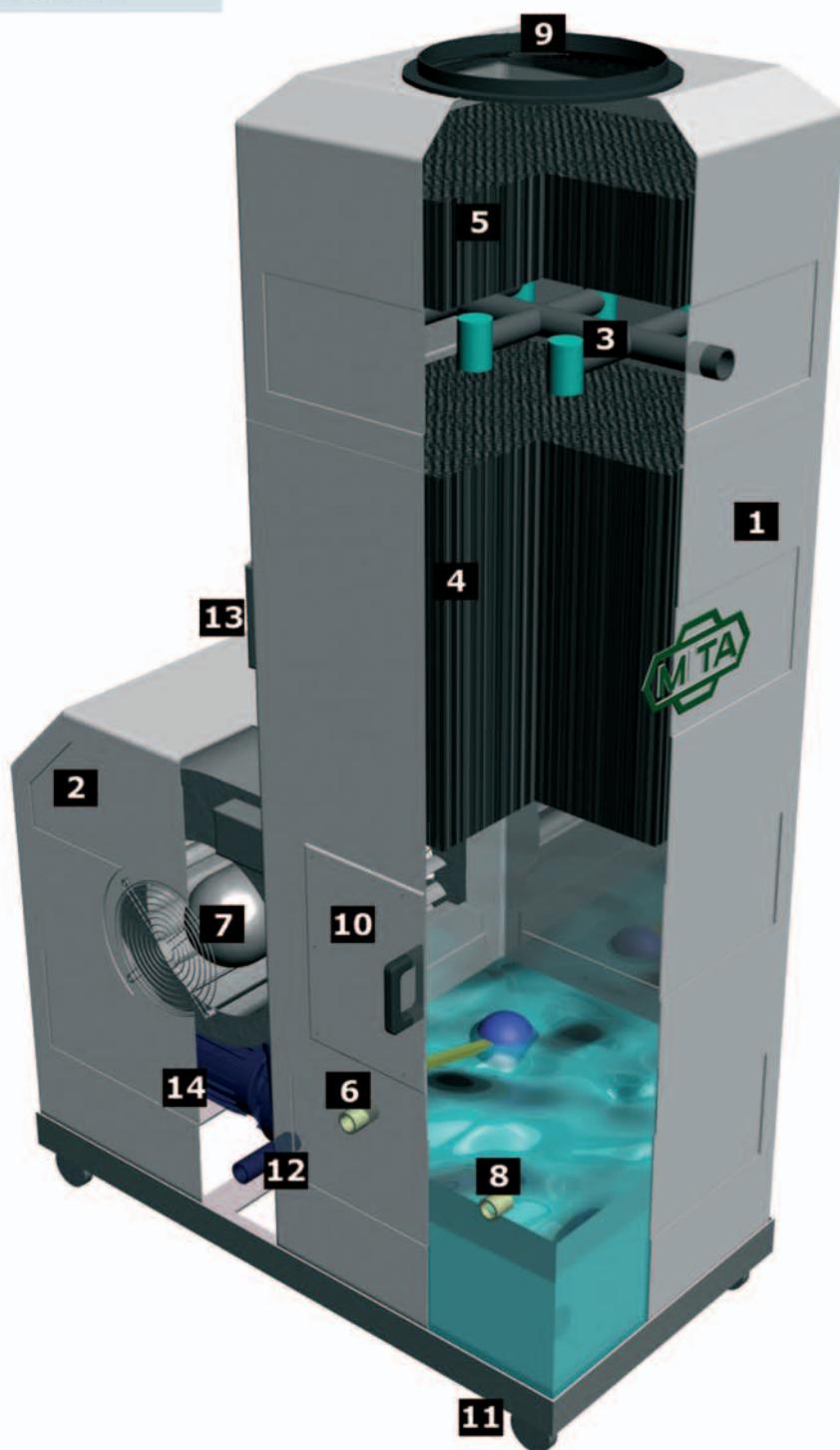
- Casing complete with access door, fan and pump guards and air extraction hood (internal version only), all made from gelcoated fibre-glass with a shiny finish. The decision to use fibre-glass makes for a light-weight, non corroding, top quality product, given that the tower is constantly in contact with water, that lasts for ages and needs very little maintenance.
- Hot galvanized steel structure, complete with wheels for movement (optional).
- PVC heat exchange pack and droplet separator, easily accessed and removed for cleaning and/or replacement.
- Plastic water distribution system.
- Silent centrifugal fan (62 dBA at 1m).
- Water circulating pump.

The following accessories are available on request:

- A small water softener for treating the make-up water in order to prevent scaling in cooling circuit..
- Three-phase electrical resistance with control thermostat (external applications).
- Hot galvanized steel airduct (internal applications).

# M-GEL cooling towers

## Constructions details



- 1** Glass-fibre casing
- 2** Glass-fibre fan guard
- 3** PVC hot water distribution unit
- 4** PVC heat exchange pack
- 5** PVC droplet separator
- 6** Make-up water with float
- 7** Silent centrifugal fan with protection grille

- 8** Overflow
- 9** Air extraction adapter
- 10** Access door
- 11** Hot galvanized steel trolley with wheels
- 12** Water delivery point
- 13** Control panel
- 14** Electrical circuit pump

# TECHNICAL DATA

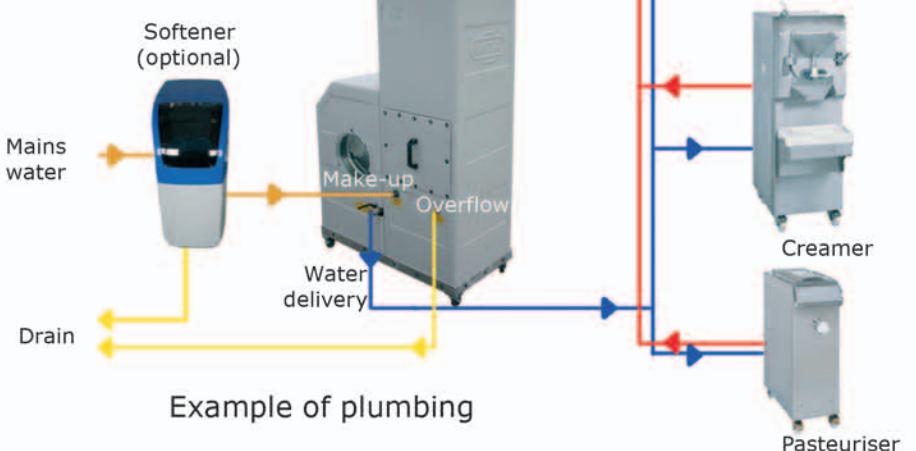
Indoor installation



Outdoor installation



- D** Water intake
- E** Water delivery
- F** Make-up water
- G** Overflow



MODEL	DIMENSIONS(mm)				CONNECTIONS DIAMETER (inch)				WEIGHT(Kg)		INSTALLED POWER (KW)	
	A	B	C	H (diam.)	D	E	F	G	Empty	In use	Fan	Pump
M-GEL 25	450	950	1850	300	1"	1"	1/2"	1/2"	100	175	0,35	0,75
M-GEL 45	600	1200	2150	400	1 1/4"	1 1/2"	3/4"	3/4"	130	270	0,35	1,5



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