

M-CTI cell type cooling towers of GRP or stainless steel Range MNK-MIDI

The compact MNK series cooling towers enable cost effective and energy saving cooling of heat processes in plants of all kinds. The circulation water is re-cooled based on the principles of evaporation.

CONSTRUCTION AND FUNCTIONING

The series consist of different standard sizes. All types are to be assembled at site, ready for integration. If desired, we can execute the erection and commissioning for you. Each size, at choice, consists of a combined GRP / stainless steel structure with an accessible flat roof including a GRP railing or a fully GRP structure. The access to the rotating group consists of a GRP cage ladder. The railing and cage ladder are approved following the building inspection and safety standards. The in fill or water distribution can be accessed by an inspection hatch, installed in one of the cooling cladding sides. The MNK-MIDI series are expandable following your requirements at any time. All MNK sizes are available with or without a cooling tower basin.

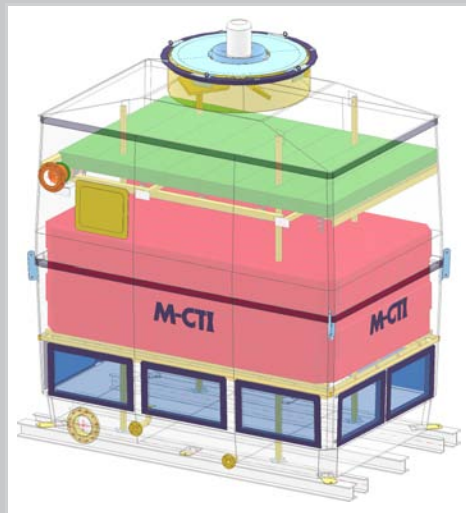
The following components characterize the MNK-series:

- cold water basin (GRP)
- **flat roof with access facilities
- **separate rotating group with diffusor
- water distribution system*
- sprayers*

- high efficient in fill*
- drift eliminator*
*all components in PP, temperature resistant up to 80 °C
** only MNK-MIDI series in STEEL
- axial fan with GRP blades
- motor gear unit
- air inlet louvers in plastic
- all hardware in stainless steel
- complete unit is corrosion-free

The MNK series are designed to meet all kinds of operating parameters:

- high heat load
- small approach
- high inlet temperatures
- high water throughput
- minimal drift losses
- economic power consumption



Tell us your actual operating conditions and we offer you the optimum cooling tower size.

Due to special conditions, we complete our cooling towers with special features:

- outlet silencer
- inlet silencer
- noise laths basin
- winterization
- control systems



Also polluted and waste water cooling are part of our expertise.

Within our range types, we can offer you special solutions:

- standard cooling towers
- mechanical draft cell type towers
- special cooling towers
- revamp of large cooling towers of all designs, i.e. natural draft, mechanical draft, (counter flow and cross flow)
- cooling water systems

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TECHNICAL DATA:

Size	Fan (mm)	Dimensions (mm)			Water flow (m ³ /h)	Heat load tf* = 21°C	Motor	Sound power level
		Diameter	Length	Width				
MNK 72	1524	3030	2400	4000	54- 90	1256- 2093	3,5- 6,0	92
MNK 90	1524	3890	2400	4000	83-138	1930- 3210	6,0-10,0	92
MNK 120	2475	3580	3580	4730	126-210	2930- 4884	10,0-15,0	93
MNK 180	2475	3580	4930	4730	166-277	3861- 6443	12,5-15,0	93
MNK 240	3120	4930	4930	5150	219-366	5093- 8513	15,0-18,0	94
MNK 300	3120	4930	6030	5150	260-455	6326-10583	18,0-22,0	94
MNK 360	3962	6030	6030	5500	340-565	7908-13141	25,0-50,0	96