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 on 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

Certifications:

Right of technical modification reserved
### TECHNICAL DATA:

<table>
<thead>
<tr>
<th>Size</th>
<th>Diameter (mm)</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Water flow (m³/h)</th>
<th>Heat load tf=21°C (kW)</th>
<th>max. kW</th>
<th>Sound power level (dB(A))</th>
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<tbody>
<tr>
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Certifications: [DNV](#) [SCC](#)