



How well is your Tower Tech Modular Cooling Tower performing? Is it trying to tell you something? Is it "feeling bloated" with the weight of fouled fill media? Does it drip water? How long has it been since maintenance was performed? When was the last time it's fill media and Water Collection System were cleaned?

Your Tower Tech Modular Cooling Tower was designed to be the most efficient, lowest maintenance cooling tower available. If you aren't familiar with the internal features and operational benefits of your tower, please call us so we can assist in improving your tower's performance. Your complete satisfaction is our goal because we want you to be a customer for life!

Schedule of Recommended Maintenance
Tower Tech Factory-Assembled Modular Cooling Tower
(Excerpted from Tower Tech Operating & Maintenance Manual)

COMPONENT	MAINTENANCE FREQUENCY	ACTION TO BE TAKEN
Shell Surfaces	12 months	Visual Inspection for leaks, warping, surface damage
Drift Eliminators	12 months	Visual Inspection/Cleaning*
Fill Media	12 months	Visual Inspection/Cleaning*
Rotary Spray Nozzles	6 months	Visual Inspection
Fan Guards	1 month	Visual Inspection/Cleaning*
Fan Blade Clearance	1 month	Visual Inspection
Fan Motors	1 month **	Turn On Briefly
Fan Motors	12 months	Amp/Volt Check
Fan Motors	6 months	Visual Inspection
Mechanical Float Valve	3 months	Visual Inspection
Sump Screen	1 month	Visual Inspection/Cleaning*
Basin Immersion Heater	12 months (prior to cold season)	Visual Inspection/Cleaning*
Water Collection System	6 months	Visual Inspection/Cleaning*

* As required.

** Required only if tower is not operated regularly for an extended period of time.



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MAINTENANCE & SERVICE PLANS



Keep Your Tower Tech Modular Cooling Tower In Peak Operating Condition!





PREVENTIVE MAINTENANCE INSPECTION

- Inspect drift eliminators
- Remove and inspect fill media down to Water Collection System, then reinstall
- Inspect Rotary Spray Nozzles

Give Your Tower Tech Modular Cooling Tower A Boost. Reduce Energy Consumption By Installing Our Improved High-Performance 4" Rotary Spray Nozzles.

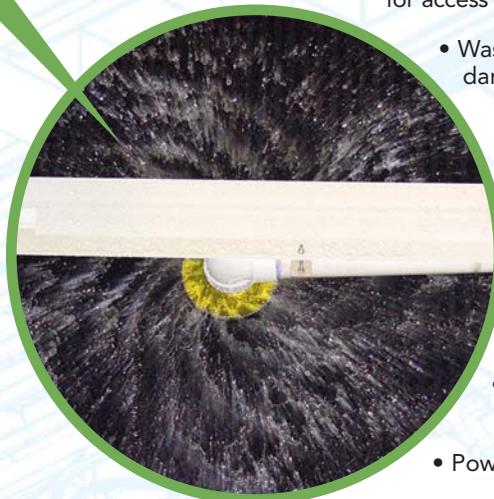
- Inspect wall panel seams and joints inside tower
- Remove fan guards
- Remove fan assemblies as needed, to gain access to bottom of Water Collection System
- Remove and wash/clean Water Collection System dampers
- Wash/clean Water Collection System secondary drainage channels
- Inspect and reseal Water Collection System vanes as needed (unless they are damaged)
- Inspect interior walls below Water Collection System
- Before replacing fan guards, inspect motors and motor supports for missing parts, damaged wiring and corrosion



- Remove inspection port covers and inspect interior of perimeter basin wall, replace covers
- Inspect fan assemblies and fan shrouds
- Inspect exterior wall seams and joints
- Inspect make-up water level and sump strainer (and water valve, if applicable)

PREVENTIVE MAINTENANCE SERVICE

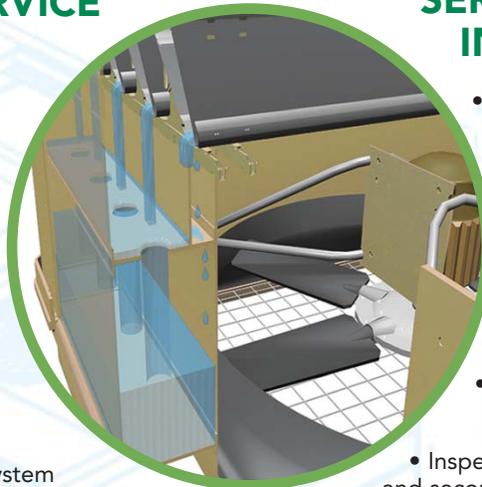
- Remove and wash/clean* drift eliminators (if clearable), then reinstall
- Remove and wash/clean* fill media (if clearable), then reinstall
- Reseal water distribution piping inside tower as needed
- Inspect Rotary Spray Nozzles (service crew usually has replacement nozzles)
- Remove fan guard assemblies
- Remove fan assemblies as needed for access to Water Collection System



- Wash/clean Water Collection System dampers
- Wash the Water Collection System secondary drainage channels
- Reseal Water Collection System vanes (unless they are damaged)
- Remove inspection port covers and inspect interior of perimeter basin wall, replace covers
- Power wash fan plenum exterior walls (walls facing fan shrouds)
- Power wash fan assemblies and fan shrouds
- Reinstall Water Collection System dampers

- Reseal interior wall seams and joints as needed
- Inspect fan assemblies
- Reinstall fan assemblies and fan guards
- Adjust make-up water valves to recommended water operating level (if water valve exists)
- Grease motors (not applicable to sealed-bearing motors)

** Includes up to one day (for one service crew) for cleaning drift eliminators and fill media per 10-fan cooling tower module. If fill media is not clean after one day it is deemed not cleanable and should be replaced. Other tower module sizes pro-rated.*



SERVICE INSPECTION

- Inspect drift eliminators
- Remove and inspect a portion of fill media to Water Collection System level, then reinstall
- Inspect Rotary Spray Nozzles
- Inspect interior wall panel seams and joints
- Remove at least one fan guard to access bottom of Water Collection System
- Inspect Water Collection System dampers and secondary drainage channels
- Inspect Water Collection System
- Remove inspection port covers and inspect interior of perimeter basin wall, replace covers
- Inspect walls inside fan plenum
- Inspect fan assemblies and fan shrouds
- Inspect exterior wall seams and joints
- Inspect make-up water level and sump strainer (and water valve, if applicable)
- Inspect motors and motor supports for missing parts, damaged wiring and corrosion (without removing fanguards)



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