

DON'T SWEAT THIS COOLING SEASON



Mr. GoodTower[®]

FREE UNIT INSPECTIONS

Help ensure your equipment operates at peak performance with a FREE unit inspection. Contact your local EVAPCO Mr. GoodTower[®] to schedule yours today!

WE INSPECT ALL MANUFACTURERS

Regardless of the original equipment manufacturer, your EVAPCO Mr. GoodTower will perform a free unit inspection and provide recommendations so your equipment operates trouble free.

Now is the time to prepare for the cooling season. Schedule a pre-season inspection of your equipment to ensure:

- Optimum performance
- Reduced operating costs
- No unscheduled equipment down time
- No costly or aggravating emergency repairs



SPRING START-UP PROCEDURES



Mr. GoodTower®

To ensure proper performance for the spring season, review the procedures listed below.

Prior to turning on fan and pump motors

1. Ensure electrical power to the equipment has been disconnected.
2. Check lubrication of fan motors, pump motors, gearboxes and bearings. Lubricate per manufacturer's instructions.
3. Check belt tension and adjust if necessary. Belts should deflect approximately 3/4" on induced draft models and 1/2" on forced draft models.
4. Rotate fan shafts by hand to ensure they turn freely.
5. Inspect electrical and piping connections.
6. Check condition of drift eliminators and make sure they are installed in their proper position.
7. Check condition of fill in open cooling towers and the coil in closed circuit coolers and condensers. If damaged, call your local EVAPCO Mr. GoodTower for assistance.
8. Check position of strainer screens and fan screens to ensure they have not shifted during shutdown.
9. Clean debris from air inlet screens, fan and housings, drift eliminators and the strainer. The pan basin may require cleaning to remove dirt and foreign material.
10. Inspect and clean protective finish. If there are any signs of corrosion on galvanized surfaces, clean the area with a wire brush and apply a coat of Zinc Rich Paint (ZRC). Only use stainless wire brushes on stainless steel surfaces.
11. Check mechanical float valve to verify it operates freely.
12. Inspect water distribution system nozzles and clean as required. Check for proper orientation.
13. Visually inspect the fan blades. Blade clearance should be a maximum of 1/4" from tip of blade to the fan cowl. The fan blades should be securely tightened to the fan hub. Fan blades should be free of cracks and corrosion.
14. If any stagnant water remains in the system including "dead legs" in the piping, the unit must be disinfected prior to system operation.

Equipment start-up

1. Fill the pan basin to approximately 1" below the overflow. Start pump.
2. Check water level in the pan basin to ensure the proper operating level. Adjust the float valve and ball assembly if required. If the water level is too low, air will be entrapped in the suction line and if the water level is too high, the pan basin will overflow.
3. Check spray nozzles for proper spray pattern.
4. Check operation of accessories, such as basin heaters and discharge hood damper controls.
5. Measure voltage and current on all three power leads. The current should not exceed the motor nameplate full load amp rating taking the service factor into account.
6. Have your water treatment expert test the water, adjust the bleed, and prepare the system for service prior to startup. Maximum bleed off is 3 US GPM per 100 tons.
7. Upon energizing the unit, check the fan for vibration.



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