Replacement Parts

for AT Cooling Towers, ATW Closed Circuit Coolers and ATC Evaporative Condensers

Free Unit Inspection
See Back Cover For More Details

Induced Draft Products

AT Cooling Tower
(Belt Drive-8 1/2' Wide Tower)

-Factory Authorized Parts-Quick Shipment
Replacement Parts Identification

Induced Draft Products

1. Fan Screens
   The fan screens are galvanized steel mesh.

2. Fans
   The axial propeller type fans are constructed of an aluminum alloy and statically balanced. The fan is installed in a closely fitted galvanized steel cowl with venturi air inlet.

3. Draft Eliminators
   The eliminators are constructed entirely of Polyvinyl Chloride (PVC) in easily handled sections. The design incorporates three changes in air direction and limits the water carryover to a minimum of 0.007% of the circulating water rate. The light weight PVC eliminators are easily removed for access to the water distribution system.

4. Water Distribution System
   The spray headers and branches are constructed of Schedule-40, Polyvinyl Chloride pipe for corrosion resistance. The water is distributed by precision molded ABS spray nozzles with large orifice openings to eliminate droplets. Nozzles are threaded into the spray header to provide easy removal for maintenance.

5. Coil
   The patented Thermal-Pak coil is all prime surface steel, encased in steel framework with the entire assembly hot-dip galvanized after fabrication. It is designed with algal tubs for liquid drainage and tested to 350 psig under water. The Thermal-Pak design results in maximum heat transfer efficiency and minimum pressure drop.

6. Water Recirculation Pump
   Closed circuit pumps and evaporative condensers are supplied with a vertically installed, close-coupled centrifugal pump with a mechanical seal installed to drain on shut down. The totally enclosed, fan-cooled (TEFC) motor is provided with a protective canopy as standard.

7. Make-up Float
   This assembly contains a brass float valve with an adjustable plastic float. The supply of makeup water entering the unit is easily regulated by adjusting wingnuts on the threaded float rod.

8. Pan Strainer
   The type 304 stainless steel strainer is constructed with large removable perforated screens to reduce the need for frequent servicing.

9. Access Doors
   Direct Drive - Q235 hot-dip galvanized steel circular access door(s) are in the upper casing for easy access to the fan motor and water distribution system.

10. Belt Drive (8 1/2' wide towers) - Totally enclosed, fan-cooled (TEFC) ball bearing type electric motors with 1.15 service factor are suitable for outdoor service. The motor is mounted on an adjustable motor base allowing the motor to swing to the outside of the unit for easy servicing.

11. Louvers
   The light weight louvers are constructed from Polyvinyl Chloride (PVC) and are easily removed by simply removing two screws from the louver assembly. Louvers are located on all 4 sides of the unit, thus providing easy pan access from 360 degrees. The two-pass design effectively eliminates splashout, keeps debris out of the pan and blocks out sunlight, thereby reducing the potential for algae formation and costly water treatment programs.

12. Fan Motor
   Direct Drive - Totally enclosed, fan-cooled, ball bearing type electric motors with 1.25 service factor are standard.

13. Belt Drive (12', 14' and 24' wide towers) - Totally enclosed, air over, ball bearing type electric, motors with 1.15 service factor are standard. The motor is mounted on an adjustable base allowing the motor to swing to the outside of the unit for easy servicing.

14. Fan Shaft
   All belt driven units have a solid shaft of ground and polished steel. The exposed surface is coated with a rust preventative.

15. Fan Shaft Bearings
   All belt driven units have heavy duty, self-aligning ball type bearings with grease fittings extended to the outside of the unit. Bearings are designed for an L-10 life of 75,000 to 135,000 hours, making them the heaviest duty pillow block bearings available for cooling tower duty.

16. Fan Drive
   Direct Drive - The fan is mounted directly on the motor in a direct drive configuration.

17. Belt Drive
   The fan belt is a multi-groove, solid back, reinforced neoprene-V belt type with taper lock sheaves designed for 150% of the motor nameplate horsepower. The fan sheave is constructed of an aluminum alloy. The fans & fan sheaves are mounted on the shaft with a special cadmium plated bushing for maximum corrosion protection. Belt adjustment is easily accomplished from the exterior of the unit.

18. Fill
   The Polyvinyl Chloride (PVC) fill with a cross fluted design provides maximum heat transfer efficiency. The PVC sheets are bonded together for strength and durability. The fill is self-irrigating for fire resistance and has a flame spread rating of 5 per ASTM E 54-819. It is also resistant to rot, decay and biological attack.
To ensure your equipment’s optimum performance and trouble-free operation, EVAPCO offers a **Free Unit Inspection**. Regardless of the equipment manufacturer, EVAPCO’s Mr. GoodTower® representative will perform a **Free Unit Inspection** as outlined in the next column. This inspection combined with regular service & maintenance will ensure your equipment’s peak efficiency and long service life.

Call your local EVAPCO Mr. GoodTower® representative to schedule your **Free Unit Inspection** today!