



Replacement Parts

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



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

-Factory Authorized Parts-Quick Shipment

Induced Draft Products

Replacement Parts Identification

Induced Draft Products

1 FAN SCREENS

The fan screens are galvanized steel mesh.

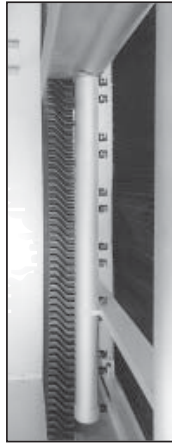


2 FANS

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

3 DRIFT 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 carry-over to a minimum of 0.001% 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 clogging. Nozzles are threaded into the spray header to provide easy removal for maintenance.

5 COIL

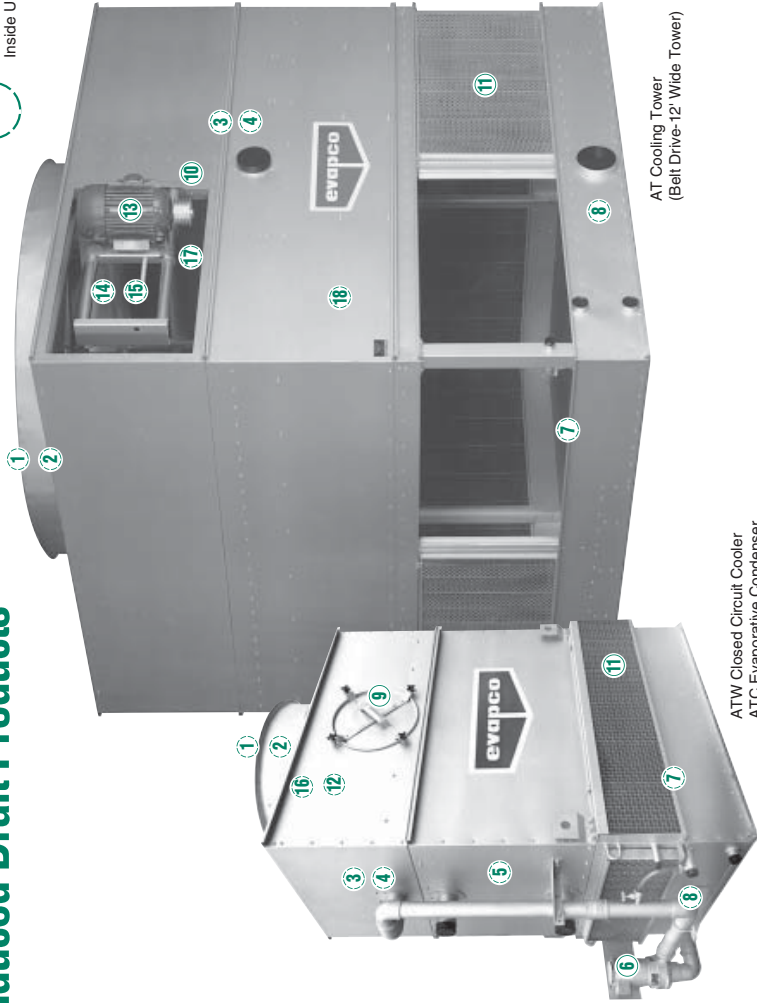
The patented Thermal-Pak coil is all prime surface steel, encased in steel framework with the entire assembly hot-dip galvanized after fabrication. It is designed with sloping tubes for liquid drainage and tested to 350 psig air under water. The Thermal-Pak design results in maximum heat transfer efficiency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



6 WATER RECIRCULATION PUMP

Closed circuit coolers and evaporative condensers are supplied with a vertically installed closed-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.

Numbers in Dotted Circles Indicate Part Location Inside Unit.



AT Cooling Tower (Belt Drive-12' Wide Tower)

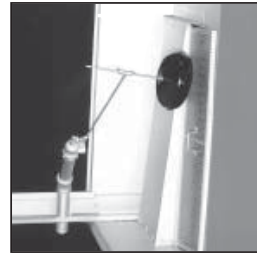
ATW Closed Circuit Cooler ATC Evaporative Condenser (Direct Drive)

7 MAKE-UP FLOAT VALVE ASSEMBLY

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 wing nuts 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.



FAN MOTOR

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



13 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 externally on the unit with an adjustable motor base for ease of service. A hinged protective cover shields the motor and sheave from the weather. See front cover for picture.

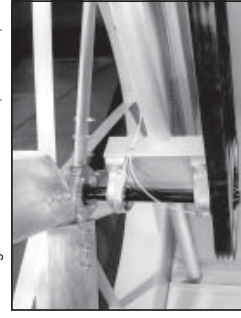
15 Belt Drive (12', 14' and 24' wide towers) - Totally enclosed, air over, ball bearing type electric motors with 1.15 service factor are standard. The motor is mounted on an adjustable base allowing the motor to swing to the outside of the unit for easy servicing.

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



FAN DRIVE

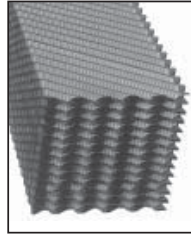
16 Direct Drive The fan is mounted directly on the motor in a direct drive configuration.

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-ripped design provides maximum heat transfer efficiency. The PVC sheets are bonded together for strength and durability. The fill is self-extinguishing for fire resistance and has a flame spread rating of 5 per ASTM E 84-819. It is also resistant to rot, decay and biological attack.



Free Unit Inspection

Call your
EVAPCO Mr. GoodTower®
representative today!



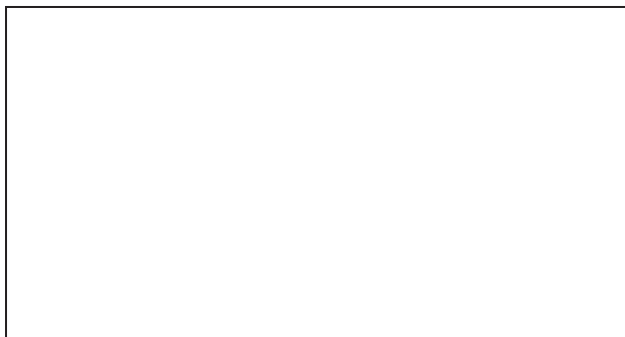
Mr. GoodTower®



Recommended Annual Maintenance Checklist

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!



4M/1004/YGS

- Check pan strainer for cleanliness
- Check water basin for cleanliness
- Check bleed-off valve
- Check motors and lubricate bearings per manufacturer's instructions
- Check water make-up float valve and ball
- Check water distribution system and sprays
- Check fan belts for wear and tension
- Check fan screens for debris
- Check fans and lubricate bearings per manufacturer's instructions
- Check drift eliminators for proper position
- Inspect protective finish, paint if necessary
- Check water quality. Contact a water treatment company for recommended water treatment program
- Contact your local EVAPCO Mr. GoodTower® representative for replacement parts

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