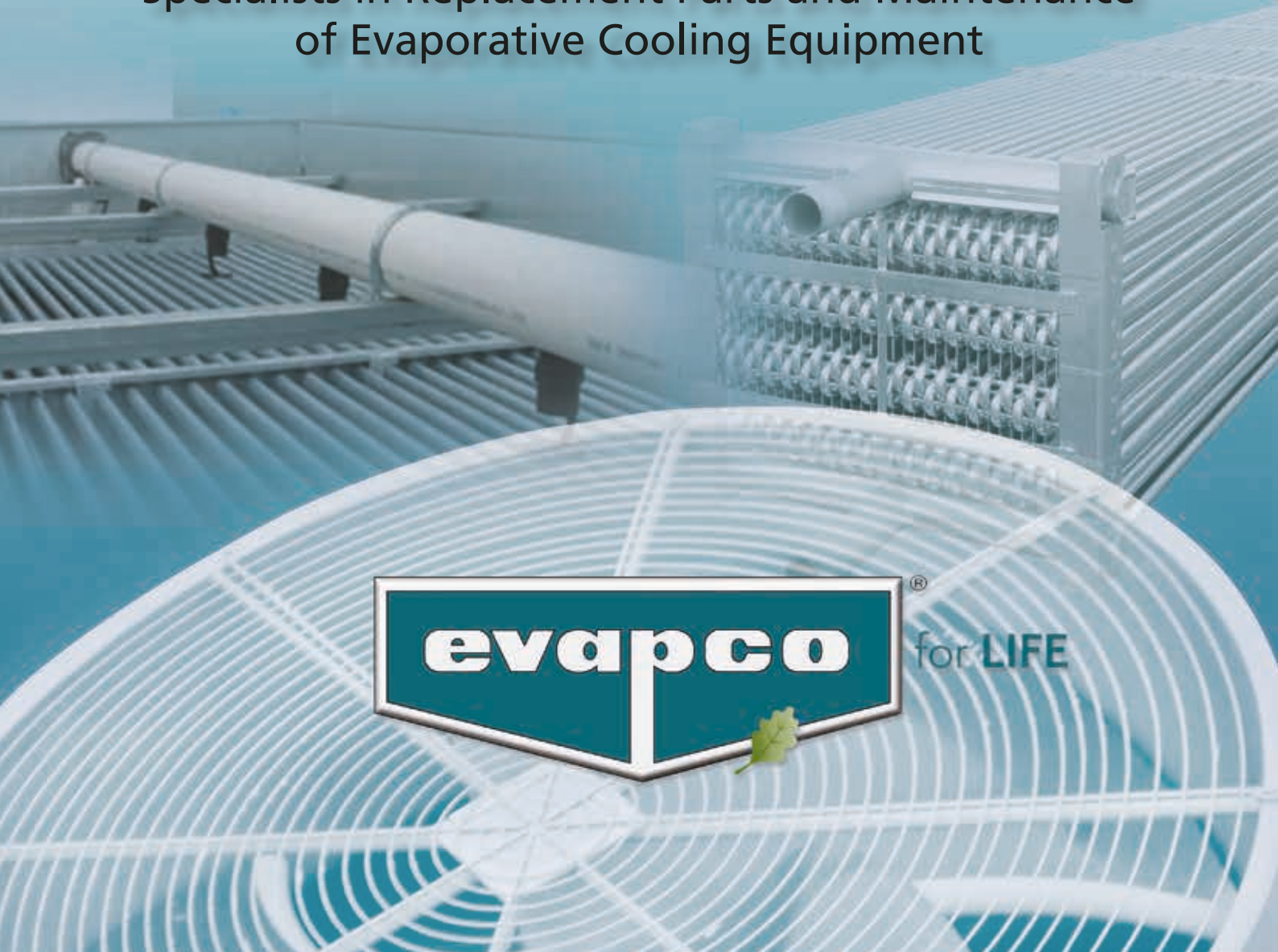




Mr. GoodTower[®] Service Center

Specialists in Replacement Parts and Maintenance
of Evaporative Cooling Equipment



[®]
for LIFE



The **Evapco Group** is committed to supporting their customers even in the difficult area of maintenance.

The **Evapco Mr. GoodTower® Service Centers** are your best answer for all your maintenance or service requirements.

The **Evapco Mr. GoodTower® Service Centers** offer high quality and professional service.

The **Evapco Mr. GoodTower® Service Centers** distribute official spare parts and components, approved and guaranteed by Evapco.

Call now for a **free inspection** on your Evaporative Cooling equipment to:

- **Extend the life of your unit!**
- **Improve thermal performance!**
- **Identify potential problems!**
- **Reduce maintenance costs!**



The technicians of the **Evapco Mr. GoodTower® Service Centers** have been trained at our manufacturing plants and they are therefore able to perform the maintenance operations according to the Evapco guidelines.



Professional service that ensures the full efficiency of the equipment and the proper performance over time.

EXTEND THE LIFE OF YOUR UNIT

- ◆ Remove corrosion and install the exclusive EvapLiner protective membrane coating to all interior sheet metal surfaces.
- ◆ Replace old, corroded, worn panels.
- ◆ Reseal all sheet metal seams with new caulking to stop leaks.

IMPROVE THERMAL PERFORMANCE

- ◆ Install new and more efficient wet deck and replace coil bundles for better thermal performance.
- ◆ Install new water distribution systems and recirculating pumps to provide better coverage over the wet deck or coils.
- ◆ Install new fan motors, sheaves, and fans to provide more airflow.

IDENTIFY POTENTIAL PROBLEMS

- ◆ Replace old and worn shafts, bearings and wheels prior to failure. Emergency replacements can result in expensive repairs and unscheduled equipment down time.
- ◆ Install new winterization equipment such as sump heaters and pipe insulation.
- ◆ Replace noisy axial fan sections with new sections equipped with low sound fans or install silencers in the basin to reduce the noise of the water roar.
- ◆ Replace the drift eliminators to minimize the microbiological risk due to the *Legionella pneumophila* bacterium.

REDUCE MAINTENANCE COSTS

- ◆ Install motor davits, ladders and platforms to reduce labor hours by providing easier access to high maintenance areas of the evaporative cooling unit.
- ◆ Install electric water level controls to eliminate the expenses associated with leaking mechanical make-up valves.

Mr. GoodTower®



Maintenance Contracts

Evapco evaporative cooling equipment is constructed with high quality materials and designed to ensure proper operation over time through a proper maintenance program.

The units are oftentimes installed in a remote or distant location and recommended periodic inspections are often neglected.

Why not delegate this important work to qualified personnel capable of ensuring the trouble-free operation of the equipment over time?

The **EVAPCO Mr. GoodTower® Service Center** are able to define a regular maintenance program and ensure its compliance.

Maintenance programs will be established, by mutual agreement with the customer, in accordance with the criticality of the installation and the operating conditions.

Proper equipment maintenance ensures trouble-free operation of the entire plant.



Take care of
your equipment!



Mr. GoodTower®

Rely on qualified technicians!



Maintenance Checklist

PROCEDURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1. Clean pan strainer – monthly or as needed												
2. Clean and flush pan** – quarterly or as needed												
3. Check bleed-off valve to make sure it is operative – monthly												
4. Check the pump and the pump motor - according to the manufacturer's instructions (<i>Only for coil products</i>)												
5. Check operating level in pan and adjust float valve if necessary – monthly												
6. Check water distribution system and spray pattern – monthly												
7. Check drift eliminators – quarterly												
8. Check the fan blades for cracks, missing balancing weights, and vibrations - quarterly												
9. Lubricate fan shaft bearing* - every 1000 hours of operation or every three months												
10. Lubricate fan motor bearings – see mfg's instructions. Typically for non-sealed bearings, every 2-3 years												
11. Check belt tension and adjust - monthly												
12. Sliding motor base – Inspect and grease – annually or as needed												
13. Check fan screens, inlet louvers and fans. Remove any dirt or debris - monthly												
14. Inspect and clean protective finish – annually – Galvanized: scrape and coat with ZRC – Stainless: clean and polish with a stainless steel cleaner												
15. Check water quality for biological contamination. Clean unit as needed and contact a water treatment company for recommended water treatment program** – regularly												

* See maintenance manual for start-up instructions and lubrication recommendations

** Cooling Towers must be cleaned on a regular basis to prevent the growth of bacteria including Legionella Pneumophila



Quality guaranteed by EVAPCO

EVAPAK® deckfill

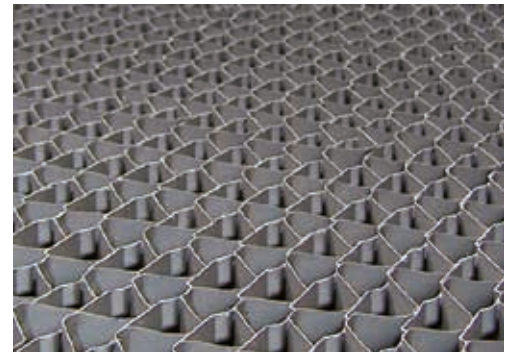
The patented EVAPAK® fill was developed in EVAPCO's heat transfer laboratory through thousands of hours of thermal performance testing. EVAPAK®'s unique crossfluted, counterflow fill pattern is designed to induce highly turbulent mixing of the air and water to provide superior heat transfer. The structure of the EVAPAK® deck fill is stronger than other deck fill bundles available on the market. Each EVAPAK® bundle is branded, i.e. single bundles are marked with the EVAPCO name to ensure identification of replacement fill. EVAPAK® fill is constructed of inert polyvinyl chloride (PVC). It will not rot or decay and is formulated to withstand water temperatures of 55°C. Higher temperature fill is available upon request.



In tests conducted according to ASTM-E84-81A, the EVAPAK® flame spread rating was 5. EVAPCO will custom design and manufacture PVC fill for all cooling towers regardless of the original manufacturer. EVAPCO's patented EVAPAK® fill is guaranteed to fit your existing cooling tower. If required, Mr. GoodTower® Service Centers can offer the replacement thru their qualified technicians.

EDE-001 Drift eliminators

The eliminators shall be constructed of inert polyvinyl chloride (PVC) that has been specially treated to resist UV degradation. The eliminators incorporate three changes in air direction to assure removal of entrained moisture from the discharge airstream. The maximum drift rate does not exceed 0.001% of the recirculated water rate. EVAPCO will custom design and manufacture PVC drift eliminators for all axial or centrifugal units regardless of the original manufacturer. EVAPCO PVC eliminators are guaranteed to fit your evaporative cooling equipment. EVAPCO drift eliminators are available without frame, with galvanized frame or with stainless steel frame depending on the existing unit structure.



WST Air Inlet Louvers

EVAPCO'S WST Inlet Louvers keep water in and sunlight out of the basins of induced draft products. The unique non-planar design is made from lightweight PVC sections which easily fit together enabling easy basin access.

Developed with computational fluid dynamics (CFD) software, the louver's air channels are optimized to maintain fluid dynamic and thermodynamic efficiency and block all line-of-sight paths into the basin eliminating splash-out, even when the fans are off.

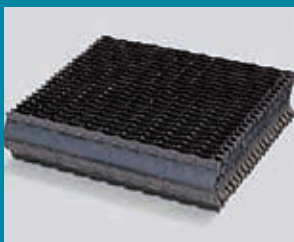
Additionally, algae growth is minimized by blocking all sunlight. The combination of easy basin access, no splash-out and minimized algae growth saves the end user money on maintenance hours, water consumption and water treatment costs



EVAPCO Spare Parts



EVAPAK® Deck Fill



EDE 001 Drift Eliminators



WST Air Inlet Louvers



Components for axial and centrifugal fan groups



Float valve & ball assemblies



Pan strainers



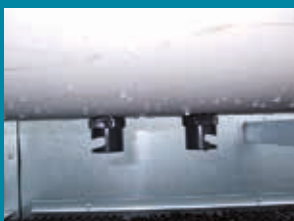
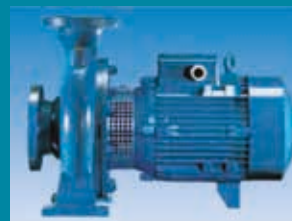
Unit sound attenuation



Complete section replacement



Motors & Pumps



Threaded Nozzles



Evapjet Nozzles



ZM Nozzles



Ladder & Platform Installation



Exclusive EvapLiner treatment

... and any other component.



Evapco Mr. GoodTower® Service Center

- REPLACEMENT
- REPAIR RESTORATION
- EQUIPMENT UPGRADES
- SERVICE CONTRACTS

Contact the local Mr. GoodTower® Service Center:

www.mrgoodtower.eu



www.evapco.eu

EVAPCO Europe Srl

Via Ciro Menotti 10 • 20017 Passirana di Rho (MI), Italy
Tel. +39 02 9399041 • Fax +39 02 93500840
email: mrgoodtower@evapco.it

EVAPCO Europe BVBA

Industrieterrein Oost 4010 • 3700 Tongeren, Belgium
Phone: +32 12 395029 • Fax: +32 12 238527
email: mrgoodtower@evapco.be