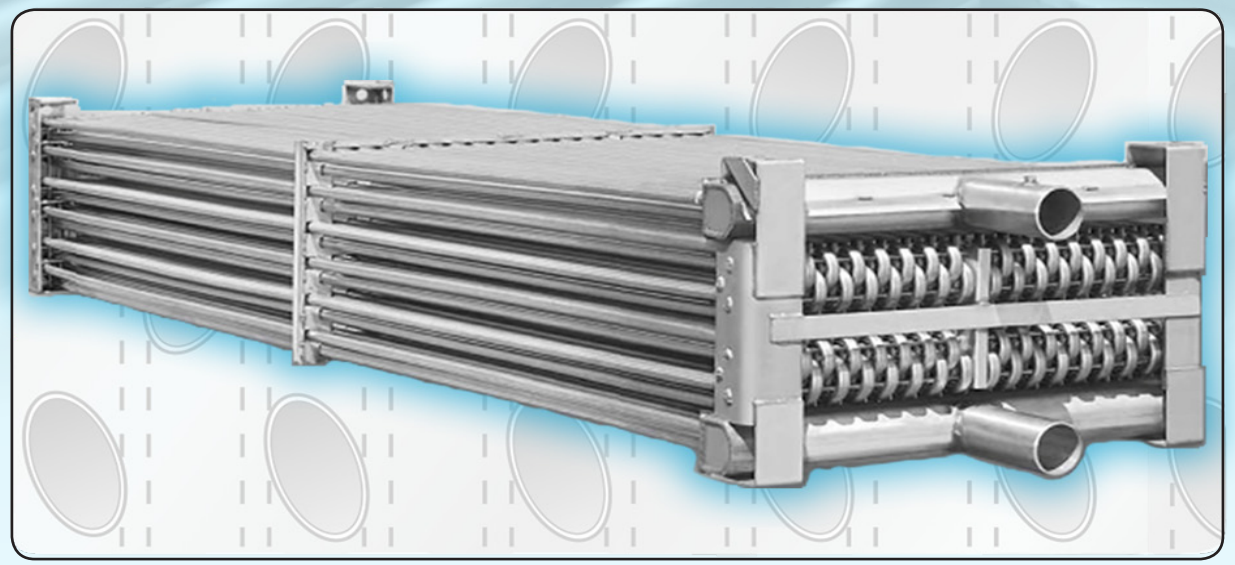
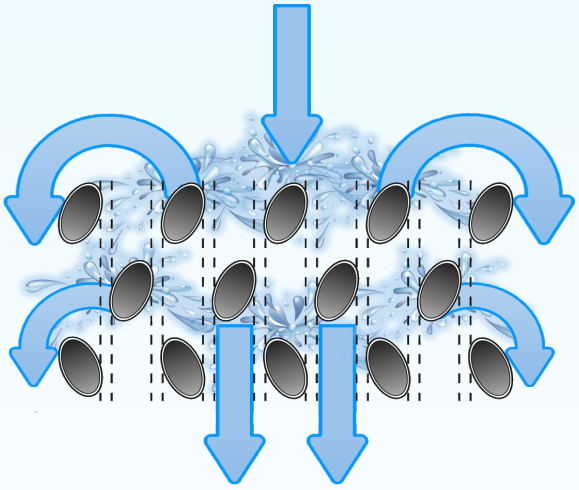
EVAPCO THERMAL-PAK® II COILS
ELLIPTICAL TUBE EFFICIENCY



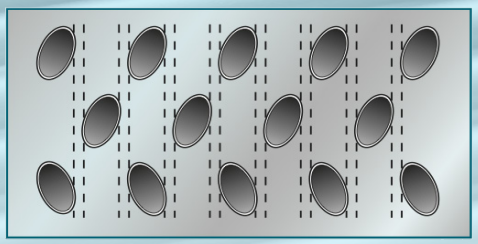
- **Elliptical Tube** - More efficient than equivalent round tube designs
- **Optional Materials** - Galvanized and Stainless Steel materials available
- **Competitors Units** - Replacement coils available for competitors units
- **Patented Design** - Provides maximum heat transfer and cooling capacity

Mr. GoodTower®

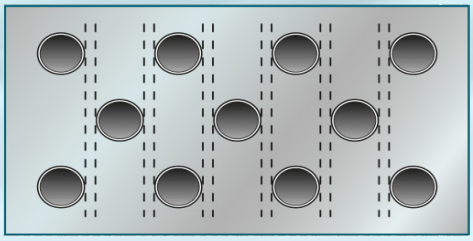


EVAPCO'S
ELLIPTICAL TUBE COIL PAK

THERMAL PAK® II - ELLIPTICAL RESEARCH AND DEVELOPMENT



THERMAL PAK® II COIL BY EVAPCO



ROUND TUBE COIL BY OTHERS

EVAPCO"S THERMAL PAK® II Coil is the result of hundreds of hours of research and development conducted by EVAPCO's team of product development engineers within EVAPCO's purpose built research and development laboratory at EVAPCO® world headquarters in Taneytown Maryland USA. EVAPCO"s patented Thermal Pak® II coil design assures greater operating efficiency when compared to conventional round-tube coil designs . The elliptical tube design allows for closer tube spacing, resulting in greater surface area per plan area than round -tube coil designs. In addition, the rows of elliptical tubes are staggered and angled in the direction of the airflow to enhance air turbulence, thereby increasing heat transfer while minimizing airside pressure drop and permitting greater water loading. The design features of Thermal Pak® II coils ensure the end user will receive the best heat transfer efficiency.

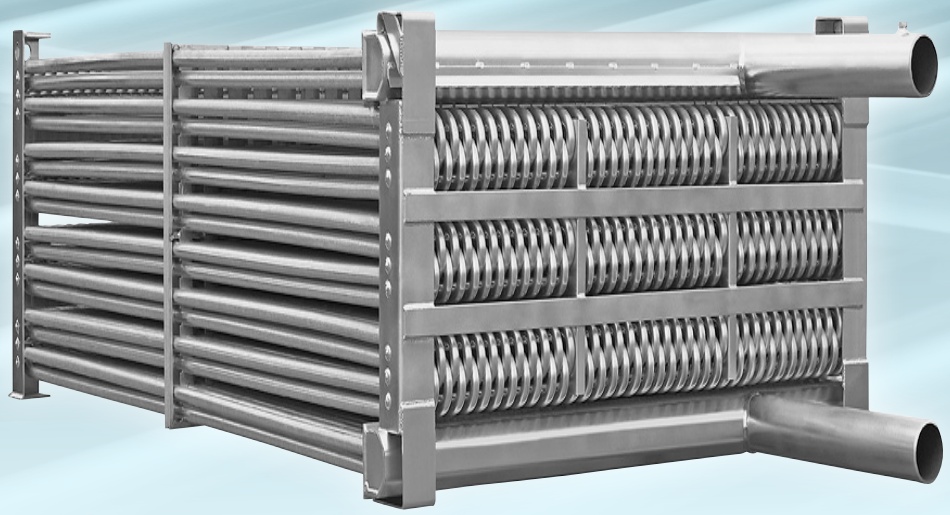
THERMAL PAK® II - GALVANIZED COILS

EVAPCO"s Galvanized elliptical tube Thermal Pak® II coils are manufactured from high quality steel tubing manufactured in house by EVAPCO® and following the most stringent quality control procedures. Each coil circuit is inspected to insure the material quality meets EVAPCO® requirements, it is then pressure tested before being assembled into a coil. The assembled coil is placed in a water filled test tank, pressurized to 400 PSI and inspected to ensure the coil is leak free.

To protect the coil from corrosion, it is placed in a heavy steel frame jig and the entire coil assembly is dipped into molten zinc (hot-dip galvanized) at a temperature of approximately 427°C. Following the galvanizing process the coil is returned to the water test tank and again checked for any leaks at 400 PSI. Coils that pass final inspection are charged with nitrogen to 10 PSI and released to the customer in the case of a spare part or sent to the assembly area for installation into a new EVAPCO® unit.

COIL GALVANIZING PLANT

THERMAL PAK® II - STAINLESS STEEL COILS



EVAPCO® stainless steel elliptical tube coils are manufactured using the same principals and quality procedures as galvanized versions. EVAPCO® stainless steel coils are manufactured from grade 304 stainless steel which is selected for its excellent corrossion resistant properties when used in evaporative cooling equipment applications. Following fabrication, stainless steel coils are leak tested to 400 PSI and inspected for compliance with EVAPCO's strict quality requirements. Completed coils are immersion acid pickled to passivate welded areas, and nitrogen charged to 10 PSI before being shipped to customers or the assembly line for installation.

THERMAL PAK® II - COIL FACTS

- COIL TUBE WALL THICKNESS = 1.5mm (thick wall 2mm available)*
- COILS ARE SUPPLIED NITROGEN CHARGED TO 10 PSI
- COILS ARE LEAK TESTED AT 400 PSI
- COILS CAN BE MANUFACTURED TO MEET ANY STANDARD
- ELLIPTICAL TUBE COILS PROVIDE UP TO 20% MORE SURFACE AREA

THERMAL PAK® II - RETROFIT ALTERNATIVE

Thermal-Pak® II
EDE-001 ELIMINATORS
ZMII NOZZLES

Mr. GoodTower® Australia can custom manufacture galvanized and stainless steel Thermal-Pak® II coils and coil casing sections to suit competitors evaporative cooling equipment. Using EVAPCO's patented elliptical tube coil design and advanced ZMII nozzles customers can expect a coil casing solution with more coil surface area and better water distribution, resulting in better performance with less chance of scale accumulation. Contact your local Mr. GoodTower® Service Centre today for a free inspection and quotation.

* Thick walled coils are subject to approximately 2% derate (check with EVAPCO before ordering)

** Stainless steel coils are subject to a 3.5% derate when compared to galvanized coils.

Mr. GoodTower® Service Centres

Mr. GoodTower® Service Centres proudly offer free unit inspections for all makes and models of cooling tower, fluid cooler or evaporative condenser. **Mr. GoodTower® Service Centres** are located in all major capital cities across Australia and New Zealand and specialize in assisting equipment owners with preventative maintenance plans that continue efficient system performance.

- **Extend Equipment Life!**
- **Maintain Thermal Performance!**
- **Eliminate Problems!**
- **Reduce Maintenance Costs!**

Take a proactive approach to equipment service and maintenance, Contact EVAPCO Australia today for contact information of all local **Mr. GoodTower®** Service Centres supporting Australia and New Zealand.

EVAPCO Australia (Pty.) Ltd. - Australian Headquarters

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