

# Cooling Towers for Industry



We have a complete range of cooling towers, fluid coolers and evaporative coolers to solve your problems offering minimal downtime with the easiest to maintain equipment in the industry.

Robust tower construction from steel, stainless steel and fibreglass is available along with a full range of replacement components. Our on site servicing and planned maintenance will keep your cooling towers in peak condition, reducing energy consumption, and eliminate problems.

All towers meet the latest international standards. The thermal performance of every EVAPCO cooling tower and closed circuit cooler is independently certified by the Cooling Technology Institute (CTI) under STD-201.

This certification guarantees that the unit will meet rated capacities, eliminating the necessity for costly field performance tests.

## Cooling towers



### AT - axial induced draft counterflow



The original Advanced Technology cooling tower provides an induced-draft, axial fan solution for a wide array of outdoor cooling capacities.

### LSTE - low sound induced counterflow



These low sound, compact low profile forced draft centrifugal fan units are especially suited for indoor and ducted layouts.

### LPT - low profile, low sound induced counterflow



The standard in low-profile, low-sound, centrifugal fan, forced-draft cooling towers, especially suited for indoor and ducted layouts or height-restricted areas.

### AXS - axial induced draft crossflow



The Advanced Crossflow Series of Cooling Towers puts a new spin on induced-draft, axial fan, crossflow cooling technology with features designed for simplified maintenance.

## Fluid coolers

### ATWB - induced draft closed circuit



The original Advanced Technology closed circuit cooler provides an induced-draft, axial fan solution for a wide array of outdoor cooling capacities.

### LSWE - low sound forced draft closed circuit



LSWE is the standard in low-sound, centrifugal fan, forced-draft closed circuit coolers, these units are especially suited for indoor and ducted layouts and are ideal for exact replacement projects.

### LRWB - low rise forced draft closed circuit



LRWB - low rise forced draft closed circuit towers are especially suited for indoor and ducted layouts and provided a unitary, compact design for tight layouts or height-restricted areas.

## Evaporative condensers



### LSC - low sound evaporative condenser



Low noise, low height, forced draft, centrifugal fan design evaporative condenser with a capacity range of 25 to 379 nominal tons (107 to 1633 kW).

### LRC - low rise evaporative condenser



Forced draft centrifugal fan condensers are very quiet and ideal for applications where noise is a concern.

### ATC - axial induced draft evaporative condenser



Induced draft, counterflow condensers featuring the patented, high efficiency EVAPCO Ellipti-fin® Coil and EVAPCO's ARID fin Pak® dry coil.

The ultimate in wet/dry performance, every model has been engineered to provide a minimum 50% of the design heat of rejection (MBH) at 60F ambient dry bulb temperature or higher, based on a 96.3F (35.7C) condensing temperature.

## Noise reducing accessories

### Discharge Sound attenuators



Fan Discharge Sound Attenuation is a factory assembled straight sided discharge hood designed to reduce overall discharge sound levels 5 db(A) to 10 db(A), depending on specific unit selection and measurement location.

It is constructed of G-235 galvanised steel as standard (stainless steel construction also available) and includes acoustically lined fiberglass walls and a low pressure drop baffling system. The discharge attenuation option is supported entirely by the unit and is shipped as an assembled section for easy field mounting.

### Inlet Sound attenuators



Inlet Attenuation reduces sound radiated through the end and side air intakes. It consists of baffled panels to change the path of the air entry and to capture the radiated noise thus reducing overall sound levels generated.

In addition, the external belt adjustment mechanism is extended through the inlet attenuator to allow easy belt adjustment just within the access door. Solid bottom panels are included with this option to force the inlet air through the attenuator.

### Water silencers



Water Silencers are located in the falling water area of the cold water basin. They are constructed of lightweight PVC sections and can be easily removed for access to the basin area.

The water silencers reduce high frequency noise associated with the falling water and are capable of reducing overall sound levels 4 db(A) to 7 db(A) measured at 1.5 m: from the side or end of the unit and 9 db(A) to 12 db(A) when water is circulated with the fan(s) off.

### Sound attenuation walls



Offset Sound Attenuation Walls offer even greater levels of sound reduction when used in combination with the Super Low Sound Fan and Water Silencer options.

The addition of Offset Sound Attenuation Walls will typically reduce the 15 metre free field sound level by an additional 3 db(A). The walls are constructed of G-235 galvanised steel (stainless steel construction also available) lined with acoustical padding on the inside of the walls. This option requires external support by others.

## Spares & Replacement Parts for Existing Cooling Towers



			
Axial fan impellor	Centrifugal fan impellor	Fan pulleys	Coil
			
Counterflow fill	Crossflow fill	Drift eliminators	Louvres
			
EVXC Crossflow nozzles	ZM & ZM II nozzles	EV nozzles	Evapjet nozzles
			
Motors	Pumps	Fan bearings	Fan shafts
			
Vibration switch	Banded Vee Belts	Sprinkler heads	Electronic water level control
			
Mechanical make-up valves	Gear drives		

## Cooling tower service - all makes, all models, all parts



Our Mr GoodTower planned maintenance and servicing can keep your cooling towers operating efficiently, save energy, extend their life, eliminate problems and improve their performance.

We offer upgrades, refurbishment and full planned maintenance servicing and parts for all makes and models of cooling towers.

**Please contact our Auckland sales office for this product:**

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