



HEAT & COOL

TOWER WATER MANAGEMENT SYSTEMS



AEC'S FOUR-WAY TREATMENT SYSTEM

Untreated cooling tower water can rob your process cooling system of heat transfer efficiency and cooling capacity. AEC has the answer. Our model TWMV280 Tower Water Management

System provides four-way protection for evaporative cooling systems - all in one compact, fully automatic package that's nearly maintenance free. The TWMV280 is shipped with all components pre-mounted and pre-plumbed. All components are mounted on a 30" x 30" enameled steel panel. Once the system is mounted, plumbing completed, and power supplied, the TWMV280 is ready for operation.

COMPLETE WATER TREATMENT SYSTEM

- The Model TWMV280 is factory assembled, complete with self-priming peristaltic pumps.
- Full automatic control includes a programmable "menu-driven" electronic controller with 2-year warranty protection.

FREE QUARTERLY ANALYSIS

Each AEC system is preset before shipment to precisely match the tested conditions of your application. And only AEC provides a free quarterly analysis of process water conditions. If required, we recommend minor adjustments to maintain peak water treatment efficiency.

HOW FOUR-WAY TREATMENT WORKS TO PROTECT VALUABLE EQUIPMENT

- Phase One monitors make-up water flow and meters an accurate blend of scale and corrosion control agents into the tower water system.
- Phase Two prevents microbiological fouling, metering microbicide at scheduled intervals, using a programmable 24-hour/14-day timer.
- Phase Three automatically removes suspended solids via a centrifugal separator, coupled to a solenoid valve.
- Phase Four automatically regulates the concentration of dissolved solids by means of a conductivity control system that activates the bleed valve and purges water from the cooling tower system.



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WHITLOCK/
MATERIAL
HANDLING



HEAT & COOL



BLEND &
RECLAIM



NELMOR/
GRANULATE



DOWNSTREAM
EXTRUSION



AUTOMATE



SYSTEMS
CONTRACTING



SERVICE



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Full Flow Bag Filters



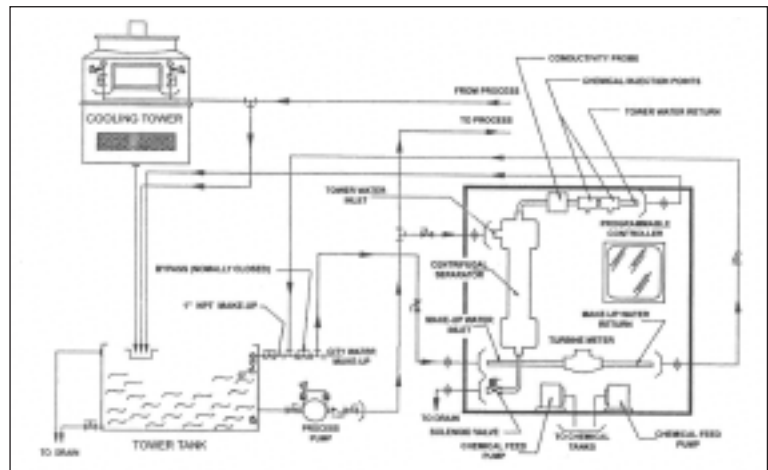
Sand and Gravel Filters

OPTIONAL HEAVY-DUTY FILTRATION

Sand and Gravel Filters provide heavy-duty filtration to protect equipment by trapping dirt and other particulate matter. The AEC unit contains a precharged bed of sand and gravel that must be cleaned periodically. Cleaning is easily accomplished by periodically reversing the flow of water through the filter vessel. Reverse flow "fluffs" the sand bed, freeing dirt and entrapped material, which is directed to a waste line. Automatic "backwash" can be achieved with a timer (Model SG250A), or by a pressure differential switch (Model SG250P).

Full flow Bag Filters are an economical way to remove dirt and particulate from your cooling water system. Complete assembly includes bypass, pressure gauges and 225 micron filter bags. An optional pressure differential alarm is also available.

| Description | Part No. |
|-------------------------------|----------|
| Centrifugal Separator | # 9050 |
| Probe & Feed Assembly | # 9990 |
| Conductivity Sensor | AO544928 |
| Programmable Controller | 1575CTRL |
| Peristaltic Metering Assembly | AO544931 |
| Solenoid Valve Assembly | AO544932 |
| 1" Turbine Meter | AO544927 |
| Hall Effect Cable | AO544929 |
| Pump Repair Kit | PX01142 |



TYPICAL TOWER WATER MANAGEMENT SYSTEM SCHEMATIC



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