

TOTAL WATER CONTROL SYSTEMS (TWCS)

For Cooling Towers and Industrial Process Water

COMPUTERIZED CONTROL OF Filtration, Deposit Control, and Purification

HIGH PRESSURE SYSTEMS



TWT Total Water Control System

- TWT-CTP-365 (HP)** Factory assembled, low pressure, side stream water treatment system that utilizes:
- Recirculating 3 HP Pump
 - Ionization/ Algae/ Bacteria Control Unit Capacity is 142 GPM
 - TWT Deposit Controller
 - **Volume in gallons:6,000 - 9,000**
 - Silicon Filtration System
- TWT-CTP-425 (HP)** Factory assembled, high pressure, side stream water treatment system that utilizes:
- Recirculating 5 HP Pump
 - Ionization/ Algae/ Bacteria Control Unit Capacity is 192 GPM
 - TWT Deposit Controller
 - **Volume in gallons:9,000 -13,000**
 - Silicon Filtration System
- TWT-CTP-485 (HP)** Factory assembled, high pressure, side stream water treatment system that utilizes:
- Recirculating 5 HP Pump
 - Ionization/ Algae/ Bacteria Control Unit Capacity is 252 GPM
 - TWT Deposit Controller
 - **Volume in gallons: 13,000-16,000**
 - Silicon Filtration System
- TWT-CTP-665 (HP)** Factory assembled, high pressure, side stream water treatment system that utilizes:
- Recirculating 7.5 HP Pump
 - Ionization/ Algae/ Bacteria Control Unit Capacity is 474 GPM
 - TWT Deposit Controller
 - **Volume in gallons:16,000 - 30,000**
 - Silicon Filtration System
- TWT-CTP-725 (HP)** Factory assembled, high pressure, side stream water treatment system that utilizes:
- Recirculating 10 HP Pump
 - Ionization/ Algae/ Bacteria Control Unit Capacity is 566 GPM
 - TWT Deposit Controller
 - **Volume in gallons:30,000 -36,000**
 - Silicon Filtration System
- 36 - 85,000 gallon systems available upon request*

General Description

The TWT-CTP series filtration system is designed for use on non-pressurized or open loop applications. Typically it is piped to and located near the sump of cooling tower equipment. Filter can be located as much as 80 ft. below sump level. The flow from the water cooling system is cleaned continuously by the filter. The filter is selected to clean the entire system volume at least once an hour. Suspended solids concentrate in the filter, and are periodically backwashed to drain. With "CTP" installed on the cooling tower sump, suspended solids, dissolved solids, algae and bacteria, can be controlled and discharged without effecting or interrupting cooling equipment operations.

Equipment

The TWT-CTP systems are supplied as a complete package assembly, consisting of filter, backwash valves, valve actuator, pump, motor, interconnecting piping, control panel with interconnecting conduit and wiring, dirty water inlet, clean water return and waste outlet connections are provided. A single point electrical power hook-up is standard on all systems with automatic backwash. When coupled with our TWT Deposit Control System, our TDS Controller, Our Dissolved Solids Controllers, and our Algae and Bacteria Control System, it becomes a "State-of-the-Art" non-chemical cooling tower water treatment system.

LOW PRESSURE SYSTEMS

- TWT-CTP-185 (HO)** Factory assembled, low pressure, side stream water treatment system that utilizes:
- Recirculating 1HP Pump
 - Ionization/Algae/Bacteria Control Unit Capacity is 35 GPM
 - TWT Deposit Controller
 - **Volume in gallons: 0 - 2,500**
 - Silicon Filtration System
- TWT-CTP-245 (HO)** Factory assembled, low pressure, side stream water treatment system that utilizes:
- Recirculating 2 HP Pump
 - Ionization/Algae/Bacteria Control Unit Capacity is 63 GPM
 - TWT Deposit Controller
 - **Volume in gallons:2,500 -4,000**
 - Silicon Filtration System
- TWT-CTP-305 (HO)** Factory assembled, low pressure, side stream water treatment system that utilizes:
- Recirculating 2 HP Pump
 - Ionization/Algae/Bacteria Control Unit Capacity is 98 GPM
 - TWT Deposit Controller
 - **Volume in gallons:4,000 - 6,000**
 - Silicon Filtration System

Model	Flow Rate GPM	System 24 turns per day /gal	System 30 turns per day /gal	Dimensions			Shipping Weight lbs	Operating Weight lbs
				H	W	L		
TWT-CTP185 (HD)	35	2100	1680	48"	35"	48"	550	700
TWT-CTP245 (HD)	63	3780	3024	52"	40"	48"	700	800
TWT-CTP305 (HD)	98	5880	4704	57"	50"	60"	1000	1200

Custom systems available to fit any size cooling water systems! If you need assistance in sizing units, please contact our Engineering Department by phone, fax, or e-mail.

**Versatile Fluid Management Products & Systems To Effectively
Meet The Needs Of Any Industry and Application**



Triangular Wave Technologies, Inc. Fluid Management Solutions HARD WATER PROBLEMS SOLVED EASILY

Triangular Wave Technologies, Inc. products and systems provide technologically advanced methods for water and fluid management that are both efficient and cost-effective. Components and subsystems chosen from across the range of treatment methods can be combined in different configurations to provide custom solutions specific to any industry, site or application. TWT systems work to consistently deliver high quality water, reduce scale and bio-fouling in plumbing systems, and to increase efficiency of both once-through and re-circulating HVAC, process cooling, agriculture, industrial processing, wastewater and other fluid based systems. Each product line offers a variety of both standalone and comprehensive treatment solutions for end-to-end fluid management, for all types of applications.

Specializing in:

- Chemical-Free Deposit Control Products & Systems • Improving Operating Efficiency & Life Cycle of Equipment • Control Scale Deposits/Bacteria/Corrosion/Algae and Colloids in Pipes, Fixtures and Equipment • Ultraviolet Disinfection Systems / Ionization Purification Systems
- Pre & Post Water Filtration Products • Custom System Design & Integration To Create Solutions For Your Own Industry-Specific Situation • Value Added & Retrofit Programs
 - Economical & Cost Effective • Energy & Water Savings

Applications:

Commercial • Industrial • Residential

- Cooling Towers • Heat Exchangers • Condensers & Chillers • Food Processing Equipment
 - Swimming Pools & Spas • Manufacturing Processing Equipment • Boilers/Water Heaters
 - Spray Systems • Small Water-Fed Appliances • Residential/Office Plumbing
 - Medical/Dental Laboratory • Agriculture • Laundry • Car Wash
- And All Other Water And Fluid-Based Industries

TWT Deposit Control Systems enhance other treatment technologies as well, including chemicals, ozone, ultraviolet, separators and other filtration systems, keeping them clean and enhancing their operation. In this way, their full treatment benefits are realized, with reduced maintenance requirements.

Consider using TWT Deposit Control Systems in conjunction with any fluid treatment systems as a complementary technology.

Water And Energy Savings / Cost Effective

Bringing You the Best in Fluid Management Solutions

