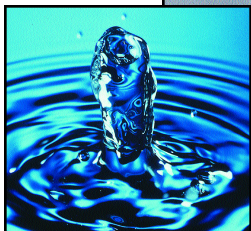
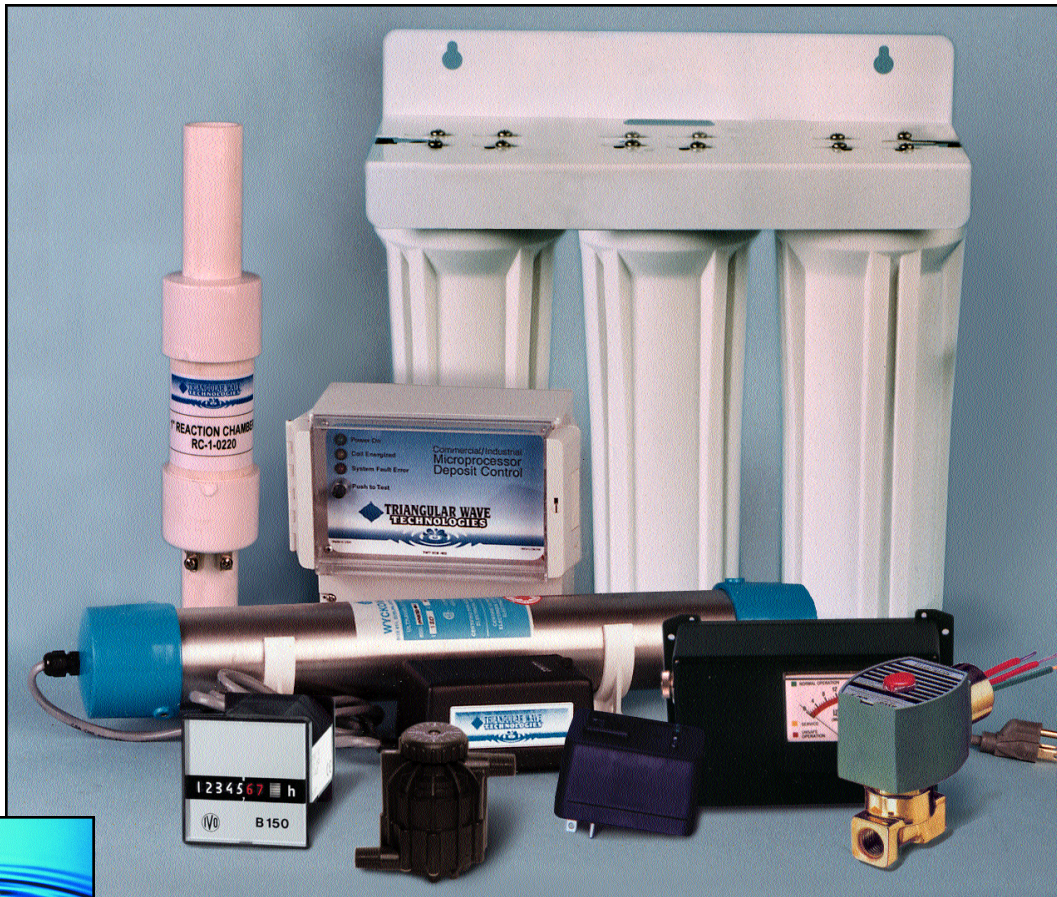


Triangular Wave Technologies Patented Medical/Dental Systems

Eliminate the bio-film that serves as a breeding ground for disease-causing bacteria collecting in your pipes, tubing and equipment.



Dental/Medical Applications

Dental and Medical Systems - Apply all the needed elements for maximum protection, management, and peace of mind in one simple packaged solution. TWT Microprocessor Deposit Controller, TWT Reaction Chamber, and TWT UV Disinfection units are combined to provide a start-to-finish answer to simplified prevention, treatment and management of water line contamination dangers. TWT solutions are scalable to fit the volume you need - ask us to specify the system that works best for you!

TECHNICAL DATA

TWT-MUC-103 / Triple Unit Under Counter Water Filter System

Size: 20" X 15" X 6" • Weight: 12 lbs. • Filtering capacity: 7500 gal.

The Triple Unit Under Counter Replacement Filter Cartridge features a sediment filter, the dual filter media of patented KDF-55 and granular activated carbon, and a final extruded activated carbon block filter.

Ultra-Violet UV-250

Rated Flow: 16 Liters per minute / 4 Gallons per minute • U.V. Dose @ Rated Flow: 31,500 mw / sec / cm²

Maximum Flow: 22 liters per minute / 5 Gallons per minute • U.V. Dose @ Maximum Flow: 22,500 mw / sec / cm²

• Power Consumption: 120V / 60Hz / 72 Watt • 240V/50Hz / 144Watt • Electrical Supply: .6 Amp

• Maximum Operating Temperature: 37C (98.6F) • Maximum Operating Pressure: 100psi - 7 Bar

• Plumbing: N.P.T. In-Out 1/2"

Size: 20"x 5" x 3" (51cm x 13cmX 8 cm) • Weight: 5 lbs (2.5 kg) • Body: 316 Stainless Steel

Model TWT-5CB Series Deposit Controllers

Residential / Commercial Deposit Control System with Reaction Chamber

TWT-RC-1-0220

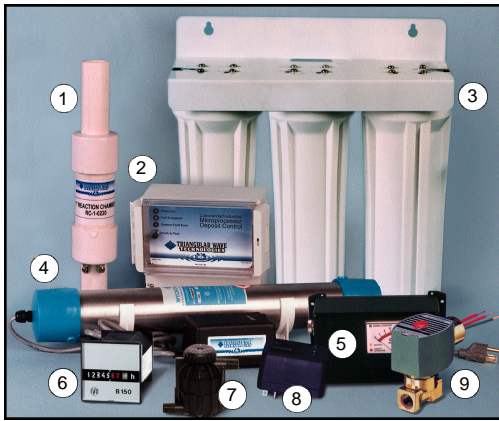
Factory wrapped 1 inch PVC pipe • Solenoid Reaction Chamber

1 Solenoid Shut-Off Valve

Please see our catalog for our other Medical/Dental units TWT-MD-1001 & TWT-MD-1002

 **TRIANGULAR WAVE**
TECHNOLOGIES, INC.
FLUID MANAGEMENT SOLUTIONS
www.triangularwave.com





Components*

1. TWT Reaction Chamber
 2. TWT Deposit Controller
 3. TWT Filters
 4. Ultraviolet
- Optional Upgrades**
5. UV Monitor
 6. UV Hour Meter
 7. TWT-MV-Filter Meter
 8. UV Alarm
 9. Solenoid Shut-off Valve

*See schematic diagrams on right for specific models

This unique fluid management system is a compact, self-contained, wall-mounted unit for the safe, chemical-free treatment of water in the home, office & small factory environments.

Ultraviolet Sterilization Subsystem:

The ultraviolet method of disinfection produces water that is disease and pathogen-free, effectively killing 99.9% of microorganisms, including bacteria and viruses. The UV lamp requires replacement every 10 to 12 months (a simple 10 minute procedure). An optional monitoring system is also available as a "heads up" warning that the UV lamp is due for replacement.

Factory Assembled & Mounted Fluid Management Systems

Applies all the needed elements for maximum fluid protection, management, and peace of mind in one simple packaged solution. State-of-the-art TWT Filtration, Microprocessor Deposit Controller, Reaction Chamber, and UV Disinfection units are combined to provide a start-to-finish answer to simplified prevention, treatment and management of water line contamination dangers. TWT solutions are scalable to fit the volume you need - ask us to specify the system that works best for you!

Specifications

Model TWT-5C8-Series Deposit Controllers

Residential/Commercial Deposit Control System with Reaction Chamber

TWT-RC-1-0221 Reaction Chamber

Factory wrapped 1 inch PVC pipe Solenoid Reaction Chamber for use with Microprocessor Deposit Control System.

TWT-MUC-102

Double Unit Water Filter System • Filtering capacity: 7,500 gal.

TWT-MUC-103

Triple Unit Water Filter System • Filtering capacity: 7,500 gal.

TWT-UV-4

Rated Flow: 3.75 Liters per minute / 1 Gallon per minute • U.V. Dose @ Rated Flow: 29,500 mw/sec/cm2
 Maximum Flow: 5.8 Liters per minute • U.V. Dose @ Maximum Flow: 18,500 mw/sec/cm2
 • Power Consumption: 12 Watt • Maximum Operating Temperature: 37C Maximum Operating Pressure: 100 psi - 7 Bar • Plumbing: 1/4" N.P.T. In-Out • Body: 316 Stainless Steel

TWT-UV-700

Rated Flow: 30 Liters per minute / 8 Gallons per minute / U.V. Dose @ Maximum Flow: / 21,400 mw/sec/cm2
 Electrical Supply: 120V/60Hz/3 Amp / 240V/50Hz/2 Amp / Power Consumption: 36 Watt / Maximum Operating Temperature: 37C (98.6F) / Maximum Operating Pressure: 125 psi - 8 Bar / Plumbing: 3/4" N.P.T. In-Out / Size: 38"L x 6"W x 3.5"D (97 cm x 15cm x 9cm) Weight: 8 lbs (3.5 kg) / Body: 316 Stainless Steel

TWT-UV-250

Rated Flow: 16 Liters per minute / 4 Gallons per minute • U.V. Dose @ Rated Flow: 31,500 mw/sec/cm2
 Maximum Flow: 22 liters per minute / 5 Gallons per minute • U.V. Dose @ Maximum Flow: 22,500 mw/sec/cm2
 • Power Consumption: 72 Watt • Maximum Operating Temperature: 37C (98.6F) • Maximum Operating Pressure: 100psi - 7 Bar • Plumbing: N.P.T. • Body: 316 Stainless Steel
 Size: 20.5"L x 6"W x 3.5"D (62 cm x 15cm x 9cm) Weight: 5 lbs (2.5 kg) / Body: 316 Stainless Steel

Optional Upgrades upon request for units TWT-MD-1001 / 1002 / 1003***

TWT-MV Meter Valve – factory only upgrade***

Provides an automatic signal and shut off when it is time to reset and/or change the filters.

TWT-UV-Monitor lamp Output / TWT-UV-AA Alarm / TWT-UV-Hour Meter***

Monitoring system "heads up" warning that the UV lamp is due for replacement.

TWT-SV Solenoid Shut-Off Valve***

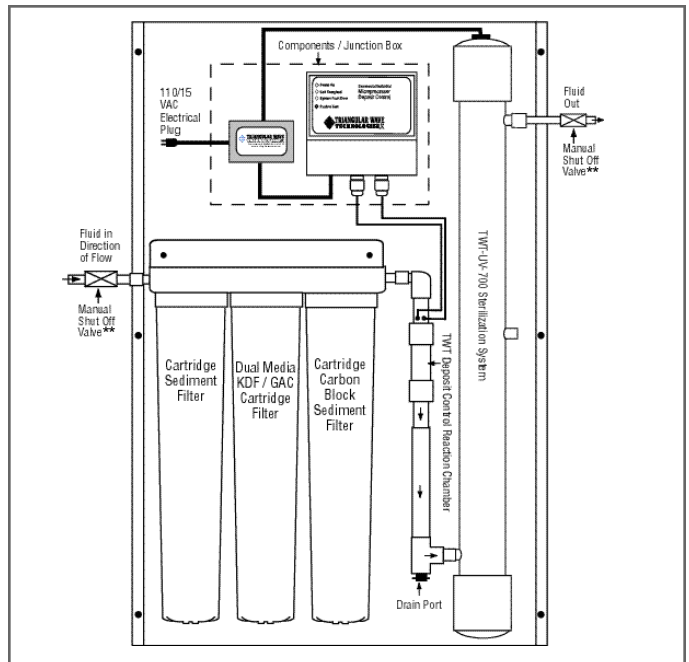
The Solenoid Shut-Off Valve is a backflow cutoff for use as a safety measure in the event of a system shutdown. Its use is strongly recommended for the medical and dental environments, and anywhere else that the highest degree of disinfection protection is required.

*** Factory only upgrade - specify at time of purchase only

Triangular Wave Technologies, Inc. is dedicated to complete fluid management solutions, utilizing state-of-the-art technology and products. All components of our systems are selected and assembled to conform with universally recognized design standards for electrical, plumbing and environmental needs. Long term performance is ensured by our strict Quality Control methods.

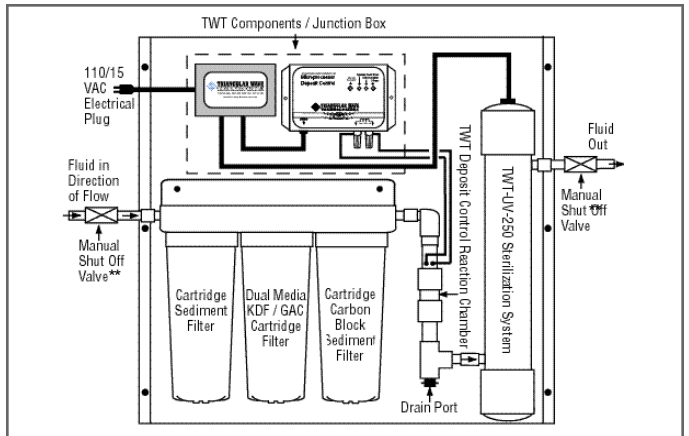
Note:

Systems above are fully integrated and factory assembled and mounted, offering end to end fluid management and treatment solutions. Systems are designed for installation on pipe diameters of 1-inch or less.



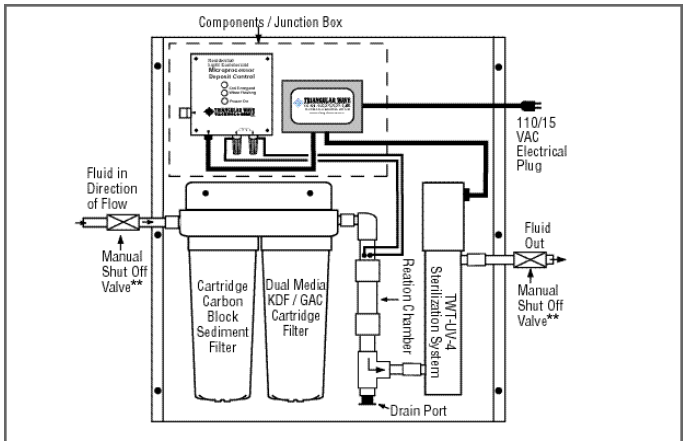
TWT-MD-1003 12 and above operators

Rendering of Triangular Wave Technologies Fluid Management System. System consists of a Deposit Controller TWT-5C8-401 • TWT Reaction Chamber • UV-700 Disinfection System • TWT-MUC Filtration System
Specifications: Factory assembled and mounted 40" H x 26.5" W x 8" D • Weight: approx. 40 lbs.



TWT-MD-1002 Up to 12 operators

Triangular Wave Technologies Fluid Management System. System consists of a Deposit Controller TWT-5C8-472 • TWT Reaction Chamber • UV-250 Disinfection System and TWT-MUC Filtration System
Specifications: Factory assembled and mounted 24" H x 26.5" W x 8" D • Weight: approx. 30 lbs.



TWT-MD-1001 Point of use

Triangular Wave Technologies Water Fluid Management System. System consists of a Deposit Controller TWT-5C8-471 • TWT Reaction Chamber • UV-4 Disinfection System and TWT-MUC Filtration System
Specifications: Factory assembled and mounted 24" H x 22" W x 8" D • Weight: approx. 25 lbs.

****Not included, owner/plumber responsibility**

For additional information visit our Web Site at www.triangularwave.com

