

Triangularwave
Technologies, Inc. (TWT®)

**Versatile Fluid
Management Products &
Systems To Effectively
Meet The Needs Of Any
Residential and/or Office
Application**

- Control Scale Deposits
- Bacteria
- Corrosion
- Algae & Colloids In All Fluid Based Systems
- P.O.E (Point-Of-Entry)
- P.O.U. (Point-Of-Use)

Specializing in:

- Chemical-Free Deposit Control Systems (hard water conditioning & treatment).
- Ultraviolet / Ozone / Disinfection & Purification Systems
- Ionization Purification Systems
- Custom Systems Design & Integration
- Water Filtration Products
- Bacterial Reduction Systems
- Economical & Cost Effective
- Conserve Water & Save Energy

TA212B

Water & Fluid Management Solutions

Improve The Quality & Taste Of Your Water

Bacteria & Biofilm Control for the Home, Office, Medical, Dental and Laboratory Environments



Eliminate the biofilm that serves as a breeding ground for disease causing bacteria, collecting in your water-lines, tubing and equipment.

Technologically Advanced Modular Water Treatment Systems. Also available for the building industry, residential, restaurant, childcare, convenience store, rainwater harvesting, irrigation, remote areas, residential, commercial facilities worldwide. Chemical-Free water treatment, conditioning, purification systems.

TWT Technologically Advanced Method for Water/ Fluid Management. TWT® Multi-Process All-In-One Filtration, Conditioning, Disinfection & Purification System.

These modular fluid management systems are compact, self-contained, wall-mounted units.

After installing your Chemical-Free Multi-Process Water Treatment System, you will taste, feel, smell and see the difference in your water quality.

TWT® has the versatile, efficient, cost-effective methods to solve your water / fluid management problems end to end.

**NO MATTER HOW TOUGH THE JOB...
TWT® HAS THE SOLUTION
GO GREEN- \$AVE GREEN!**



Visit www.twtwatertreatment.com to see TWT, Inc. complete product catalog

**DON'T WAIT...Contact us today for a free consultation! A luxury you can afford.
And for information on what TWT system will meet your specific application needs!**



Email: info@triangularwave.com • triwaveinc@aol.com • websites: www.triangularwave.com • www.twtwatertreatment.com

TWT® Factory Engineered & Integrated Water Treatment Systems P.O.E./P.O.U. Applications

Chemical-Free • Multi-Stage Filtration • Electro-Magnetic Fluid Conditioning UV Disinfection & Purification Technology

The TWT All-In-One fluid management water disinfection/ purification systems are unique, compact, self-contained units for the treatment of water.

TWT® units are factory engineered and assembled, applying the needed elements for water/fluid protection, management and peace of mind in one simple packaged solution. Staged filtration and UV Disinfection, purification units are combined to provide a start-to-finish answer to simplified prevention, treatment and management of water line contamination dangers.

Water lines in the residential, commercial & sectors, where clean water is essential, commonly allow a contaminated interior environment conducive to the growth of bacteria, protozoa, and fungi. These initially arrive in small numbers through wells and public waterline plumbing systems. Over time, these microorganisms bind to the sides of your water pipes, tubing and equipment forming biofilm. As water flows through the pipes and tubes, the biofilm sheds microorganisms and bacterial endotoxins into the water, leading to these harmful conditions.

The first step in achieving clean water is a filtration system

A. Self-cleaning sediment filter

Filter with a built-in manual flush valve to purge built-up sediments in the bottom of the filter. Filter will initially clean the water so the replacement sediment and other media cartridges will have a much longer life cycle and enhanced service.

B. Staged Filtration

Filters are designed to trap various kinds of debris, dirt and organic particles that will otherwise enter your equipment and/or plumbing system, restrict your water flow and create a breeding ground for bacteria. Water is filtered to remove lingering sediment, chlorine, heavy metals, organic carbon

compounds, volatile organic chemicals, pesticides and hundreds of other chemicals sometimes found in source water.

C. Ultra Violet Disinfection & Purification

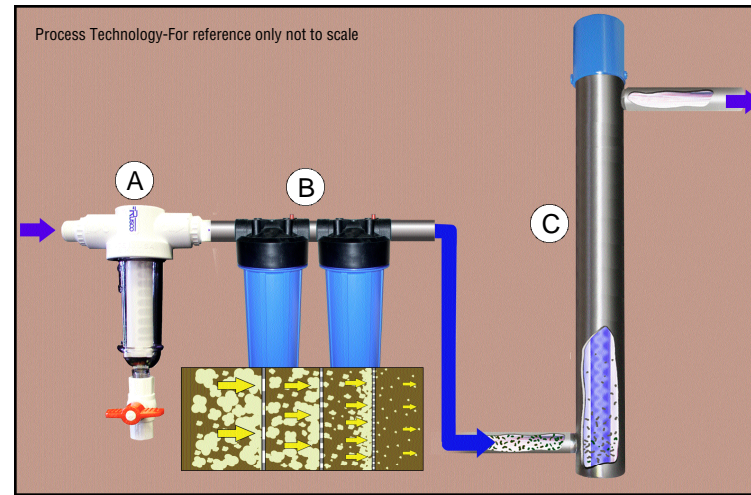
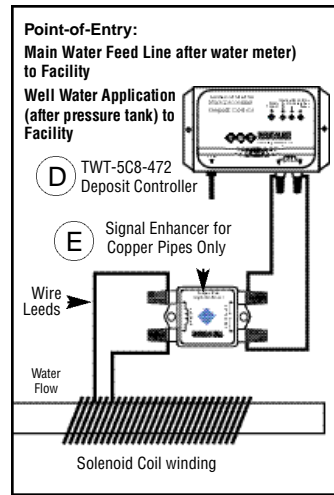
The UV disinfection technology used in the system provides safe process and potable water, free of disease-causing pathogens. As water passes through the UV chamber, UV light will attack and render harmless any bacterial, viral or spore contamination present in the treated water. "High intensity UV light destroys these contaminant's with a 99.9% or greater kill rate".

D. TWT® Patented Deposit Control Technology

(Optional) Sold Separately Not Included

Hard water problems solved easily. Control scale deposits, bacteria, corrosion, algae and colloids in all fluid based systems. Providing comprehensive end-to-end treatment & conditioning. **(chemical-free)**

E. Copper Pipe Signal Enhancer (For copper pipe application only) (Optional sold separately) Not Included



Copper pipes, although acceptable, are one of the more difficult of materials to work with. To overcome this... TWT has developed its Copper Pipe Signal Enhancer. This unit is placed between the Deposit Control and the solenoid coil on the copper pipe. The function of the signal enhancer is to provide a proper impedance match and to ensure maximum energy transfer between the controller and the solenoid, which, in turn, ensures enhanced treatment of the fluid



Benefits:

- **Eliminates Deposits in Pipes, Fixtures and Equipment** (Softens and removes hard scale build-up around plumbing fixtures)
- **Controls Algae and Bacteria** (Prevents the formation of biofilm, the breeding ground for algae and bacteria)
- **Removes Existing Scale on Heat Exchangers Over Time, Which Improves Heat Transfer for Greater Efficiency**

- **Reduces Effects of Hard Water on Skin and Clothes**
- **Salt and CHEMICAL-FREE Water Conditioning**
- **Cost Effective**
- **Easy to Follow Application & Installation Manuals**



TWT All-In-One Wall Mounted Systems



#TWT-RWH-4: 4 GPM
Approximate Dimensions: 28" H X 25" Wide



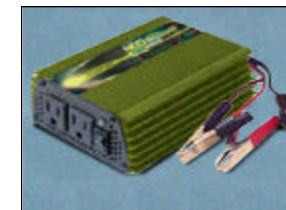
TWT-RWH-8: 8 GPM
Approximate Dimensions: 28" W X 38" H



TWT-RWH-12: 12 GPM
Approximate Dimensions: 37" W X 38" H

Note: Available in 110/20-V or 220/30-V. Must specify with Purchase Order.

Triangularwave Technologies, Inc. (TWT®) offers a full range of products & systems designed to address fluid problems wherever fluid flows. From patented deposit control technology to pre and post filtration needs, ionization, disinfection, and ultraviolet purification treatment and conditioning. Components and subsystems chosen from across the range of treatment methods can be combined in different configurations to provide custom solutions specific to any site or application. TWT has the versatile, efficient, cost-effective methods to solve your fluid management problems end-to-end.



Optional: Battery back-up system for all treatment kits
12 volt or 24 volt DC to AC inverter converts DC current into conventional AC electricity. Connect one of these units directly to a battery to operate. Connect treatment kit to near by power source or inverter for battery power operation
(Batteries not included)

TWT units are available for larger pipe applications and GPM requirements.