

**Technologically Advanced Methods for Water Conditioning, Treatment & Purification (Chemical-Free). Comprehensive Whole Home/Office Systems, Your Simple and Safe Method...TWT® The Smart Water Solution**



TWT offers a full range of products & systems designed to address fluid problems wherever fluid flows. From TWT® 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 your facility site or application. TWT® has the versatile, efficient, cost-effective methods to solve your water/ fluid management problems end to end.

***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!***



www.triangularwave.com • www.twtwatertreatment.com

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From:

**NO MATTER  
HOW TOUGH  
THE JOB...  
TWT® HAS THE  
SOLUTION**

**GO GREEN - \$AVE GREEN!**

Triangularwave Technologies, Inc. (TWT®)

## UV-Series – Ultra Violet Purifiers

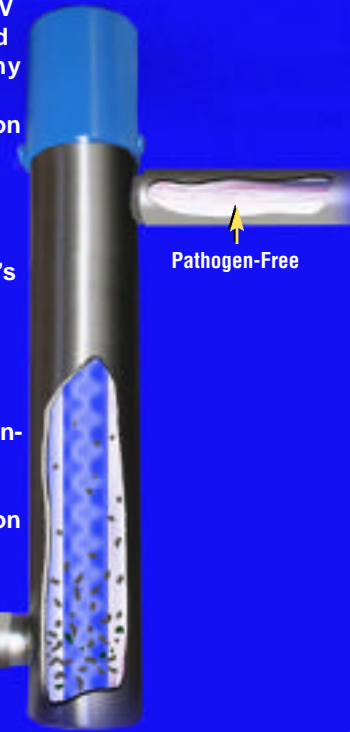
**Point-of-Entry and/or Point-of-Use  
Disinfection & Purification Systems**

Ultraviolet disinfection systems are mysterious to many people - how can "light" kill bacteria? But the truth is, it can.

The Ultra-Violet (UV) disinfection & purification 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."

The output water is thus disinfected and offers exceptionally high quality water for process, human consumption and use.

Microscopic Disease-Causing Pathogens



**Ensure that the water in your home or office is safe enough to use and drink...  
TWT® Is Your is Simple & Safe Solution**

TA162

**Ensure that the water in your home or office is safe enough to use and drink... Cleaner Water is Healthier Water! TWT® Is Your Simple and Safe Solution**

Ultraviolet disinfection systems are mysterious to many people-how can "light" kill bacteria? But the truth is, it can. Ultraviolet (UV) technology has been around for over 50 years, and its effectiveness has been well documented, both scientifically and commercially. It is nature's own disinfection/purification method. With consumers becoming more concerned about chlorine and other chemical contamination of drinking water, more dealers are prescribing the

ultraviolet solution as suitable for both small flow residential applications as well as large flow commercial projects. Ultraviolet is a means of killing or rendering harmless microorganisms in a dedicated environment.

These microorganisms can range from bacteria and viruses to algae and protozoa. UV disinfection is used in air and water purification, sewage treatment, protection of food and beverages and many other

disinfection and sterilization applications. A major advantage of UV treatment is that it is capable of disinfecting water faster than chlorine without cumbersome retention tanks and harmful chemicals. UV treatment systems are also extremely cost efficient! One of the most common uses of ultraviolet sterilization is the disinfection of domestic water supplies due to contaminated wells. Coupled with appropriate pre-treatment equipment, UV provides an economical, efficient and user-friendly means of producing potable water.

**Ultra-Violet (UV) Point-of-Entry and/or Point-of-Use Disinfection & Purification Systems**



**TWT-UV-250 (4 GPM)**

- Rated Flow: 15 Liters per minute / 4 Gallons per minute • Rated Flow UV Dose: 46 mJ/cm<sup>2</sup> (46,000 uwsec/cm<sup>2</sup>) @ 95% T
- Electrical Supply: 120 VAC/60Hz
- Approx. Power Usage: 23.4 Watt
- Maximum Operating Temperature:

37°C (98.6°F) • Maximum Operating Pressure: 125 psi - 8.6 Bar (tested to 500 psi) • Plumbing: N.P.T. In-Out 3/4" • Size: 23" L x 5.5" W x 2.5" H • Weight: 7 lbs (3.2 kg) • Body: 304 or 316 Stainless Steel



**TWT-UV-700 (8 GPM)**

- Rated Flow: 30 Liters per minute • 8 Gallons per minute • Rated Flow UV Dose: 62 mJ/cm<sup>2</sup> (62,000 uwsec/cm<sup>2</sup>) @ 95% T
- Electrical Supply: 120VAC/60Hz, .55 Amp

• Approx. Power Usage: 40.8 Watt • Maximum Operating Temperature: 37°C (98.6°F) • Maximum Operating Pressure: 125 psi - 8.6 Bar (tested to 500 psi) • Plumbing: 3/4" N.P.T. In-Out • Size: 41" L x 4.75" W x 3.25" H • Weight: 8 lbs (3.5 kg) • Body: 316 Stainless Steel



**TWT-UV-1200 (12 GPM)**

- Rated Flow: 45 Liters per minute /12 Gallons per minute
- Rated Flow UV Dose: 54 mJ/cm<sup>2</sup> (54,000 uwsec/cm<sup>2</sup>) @ 95% T
- Electrical Supply: 120V/60Hz .68 Amp • Approx. Power Usage 84 Watt • Maximum

Operating Temperature: 37°C (98.6° F) • Maximum Operating Pressure: 125 psi - 8.6 Bar (testes to 500 psi) • Plumbing: 1" N.P.T. In-Out • Size: 41"L x 6 "W x 3.25"H • Weight: 8lbs (3.5kg) • Body: 304 or 316 Stainless Steel

**Custom Assembled & Mounted Modular UV Series- Ultra-Violet Purifiers**

TWT UVC Series water treatment systems are ruggedly constructed for exceptional performance. The rugged self-contained design of these systems ensure that the system will enjoy a long and reliable life cycle when properly cared for.



**TWT-UVC-250 (4 GPM)**  
Ultraviolet Disinfection/ Purification System Mounted on St/St frame with Manual Shut-Off Valves • Alarm and UV Monitor • Size: 18"W X 26"H 6"D • Available 120V/60 Hz or 230V/50 Hz



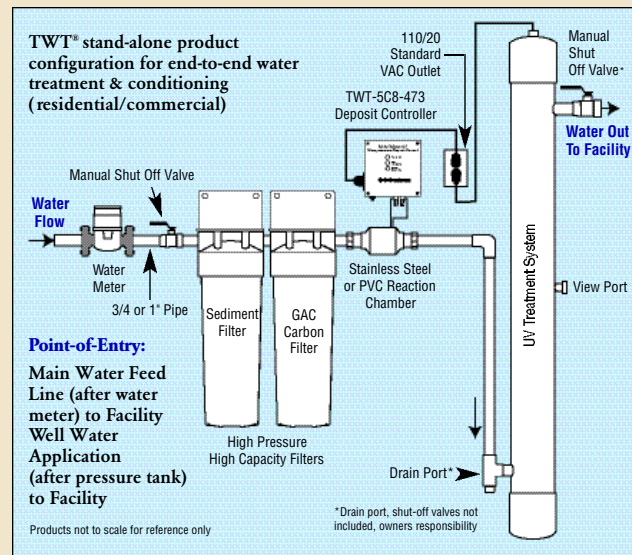
**TWT-UVC-700 (8 GPM)**  
Ultraviolet Disinfection/ Purification System Mounted on St/St Frame with Manual Shut-Off Valves • Alarm and UV Monitor • Size: 20"W X 44"H 10"D • Available 120V/60 Hz or 230V/50 Hz



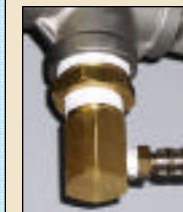
**TWT-UVC-1200 (12 GPM)**  
Ultraviolet Disinfection/Purification System Mounted on St/St Frame with Manual Shut-Off Valves • Alarm • UV Monitor and Automatic Solenoid Valve • Size: 20"W X 44"H 10"D • Available 120V/60 Hz or 230V/50 Hz

Visit [www.twtwatertreatment.com](http://www.twtwatertreatment.com) to see TWT, Inc. complete product catalog

**Filtration • Patented Deposit Control Technology • UV Disinfection & Purification**



**Recommended configuration for combined use of Filtration, TWT Deposit Control Technology, Ultraviolet Disinfection & Purification Systems.**



**Optional: Temperature Sensitive Automatic Purge Valve**  
Control Water Temperature In UV System



**Filtration Systems**  
Traps & Removes Harmful Pollutants, prevents restriction and keeps water in the plumbing system flowing.

**TWT® Patented Deposit Control Technology**

Test proves Triangularwave Technologies, Inc. (TWT®) Deposit Control System reduces the fouling effects caused by "hard water" on the quartz sleeve and UV lamp inside the disinfection/purification unit while maintaining the residual effects downstream chemically free.



**Ultra Violet Disinfection & Purification**

**Sensing Environmental Needs With Intelligent Solutions**