



**TRIANGULARWAVE
TECHNOLOGIES, INC.**

Chemical-Free Water Treatment

Technologically Advanced Modular All-in-one Water Treatment System

The return on investment with the TWT-SYSMD-1400 Modular Unit is undeniably significant from an Operational, Economical and Safety point of view



Beneficial to the:

- ✓ Restaurant
- ✓ Food
- ✓ Convenience Store
- ✓ Beverage Industry



✓ **Cleaner & Safer Water for any use**

The TWT-SYSMD-1400 checks all the right boxes...

✓ **Simplified design is easy to explain to your Restaurant & Franchise owners**

Easy installation and use
Point of entry and/or Point of use
Ready to place, plumb into water feed line & operate
Meets all treatment needs with a unique & versatile assembly

✓ **Compared to standard water treatment components**

Reduces overall cost of ownership significantly
Reduces or eliminates chemical treatment costs and hazards
Reduces installation time and expense considerably
Reduces long term consumables costs

✓ **The All-In-One configuration results in fewer equipment needs overall**

Senses environmental needs with intelligent solutions.
Utilizes technologically advanced treatment methods
Improves the taste of food, beverages and drinking water.
Ships to store owners as a modular all-in-one unit.

✓ **Profitable opportunities beneficial to the restaurant, food & beverage industry**

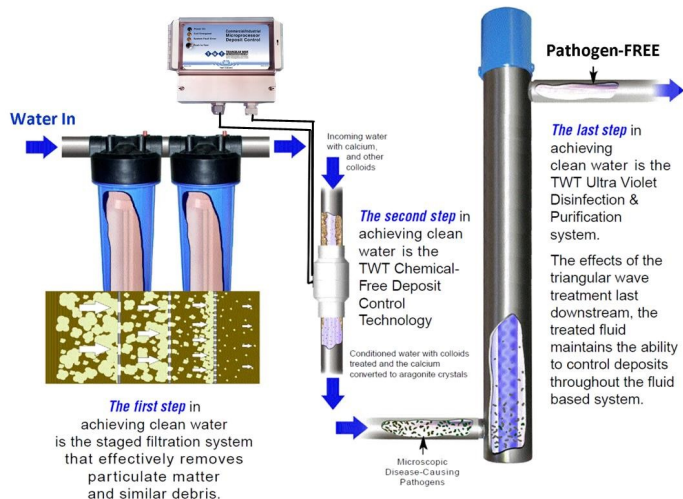
Pays for itself in a short period of time:
Hard dollar savings –
energy, water, chemical & salt
Soft dollar savings –
labor, time, material & safety
Moves when you do (Self Contained)
Enhances the performance of downstream water treatment equipment.



The Difference in Technology Matters

✓ Additional features and benefits

TWT® Multi-Process All-In-One Chemical Free Water Treatment Staged Filtration, Hard Water Conditioning & Treatment and UV Purification Technology



Filtration: Filters are designed to trap, remove and treat various kinds of debris and other organic particles and pollutants in the water. Upon request, filters are available in a variety of Media and Micronic sizes providing flexibility and adaptability to meet the needs of almost any water condition or application. Double (10" BB) filter housings, with sediment and carbon filters are standard.

Conditioning and Treatment: TWT's technologically advanced Deposit Controller delivers an Electromagnetic, pulsed powered, Triangular Wave Signal. As the water passes through the signal, it is treated and carries the treatment downstream, to condition the rest of the plumbing system. This results in hard water treatment that will improve the flow, quality and taste of the water. Without the use of chemicals.

Ultraviolet (UV): This is a means of killing or rendering harmless microorganisms in a dedicated environment.

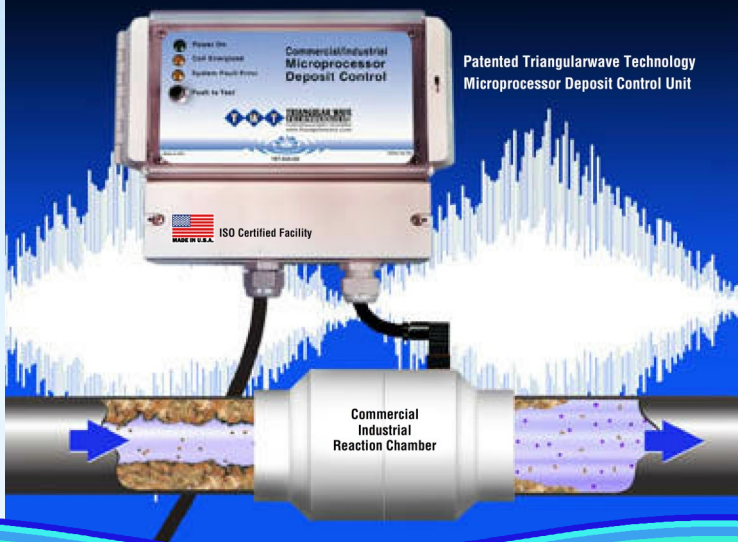
UV: Ultraviolet Stainless Steel purifier, water disinfection and purification with Germicidal UV (254nm) lamp. **Or choose**

Ozone/UV: Optional UV 254/185 lamp provides residual oxidation, additional prevention for possible bacteria growth downstream in plumbing lines and fixtures.

✓ Optional stand alone, chemical-free treatment technology

- 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
- Salt and CHEMICAL -FREE Water Conditioning
- Technologically advanced hard water problems solved easily

TWT Deposit Controllers Technology (DC) Hard Water Conditioning and Treatment Technology



No matter how tough the job, TWT has the solution...See, feel, smell and taste the difference in your water



Chemical-Free Water Treatment

Triangular Wave Technologies Inc (TWT)
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Worldwide Distribution





**TRIANGULARWAVE
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Chemical-Free Water Treatment

The Difference in Technology Matters

TWT is proud to present our new fully designed, engineered, and tested compact modular unit as an all-in-one chemical-free, multi-process water treatment system.

Our Model #TWT-SYSMD-1400 includes staged filtration, Patented Triangular Wave hard water conditioning (descaling), UV disinfection and purification technology. Simple to install and use. The modular unit will provide clean water, free of sediment, foul odors and other particulate matter. Also providing hard water conditioning, ultraviolet disinfection and purification to assure destruction of all common disease causing pathogens (bacteria) in the water.

Cleaner water for any use.



10-GPM (1" in/out) Schedule 80 PVC 110/120V standard, 220/230V optional.
Unit dimensions: 34" Wide X 29" Height Weight: 56 lbs.

TWT- The Smart Treatment Methods.

- ◆ Creates a clean, corrosion-free delivery system that is restored and maintained in an environmentally safe and chemical-free manner.
- ◆ The unit is fully assembled on a stainless steel panel (as illustrated), ready to put in place (POE) point of entry OR (POU) point of use, plumb into water feed line and operate. (On/Off Valves on inlet and outlet)
- ◆ Easy installation operation with minimal maintenance required.
- ◆ Eliminate the biofilm, bacteria and other particulate matter that serves as a breeding ground, collecting in your water lines, tubing and downstream fixtures and equipment.

**Perfect for Restaurants,
Fast Food, Beverage
Industry, Convenience
Stores, Hotels, Offices,**



Worldwide Distribution

**Homes, Mobile Homes,
Apartment Owners,
Medical/Dental/Labs
and even farms...**

Technologically Advanced Modular All-in-One Water Treatment System

Remove Condition Treat Disinfect Purify

Filtration: Filters are designed to trap, remove and treat various kinds of debris and other organic particles and pollutants in the water. Upon request, filters are available in a variety of Media and Micronic sizes providing flexibility and adaptability to meet the needs of almost any water condition or application. Double (10" BB) filter housings, with sediment and carbon filters are standard.

Conditioning and Treatment: TWT's technologically advanced Deposit Controller delivers an Electromagnetic, pulsed powered, Triangular Wave Signal. As the water passes through the signal, it is treated and carries the treatment downstream, to condition the rest of the plumbing system. This results in hard water treatment that will improve the flow, quality and taste of the water. Without the use of chemicals.

Ultraviolet (UV): This is a means of killing or rendering harmless microorganisms in a dedicated environment.

UV: Ultraviolet Stainless Steel purifier, water disinfection and purification with Germicidal UV (254nm) lamp. **Or choose**

Ozone/UV: Optional UV 254/185 lamp provides residual oxidation, additional prevention for possible bacteria growth downstream in plumbing lines and fixtures.

To ensure uninterrupted service and treatment at all times, maintain a supply of the following:

- ◆ 10" BB sediment & carbon replacement filters.
- ◆ Requested 10" Media replacement filters.
- ◆ UV 254nm replacement lamps.
- ◆ UV 254/185 ozone replacement lamps.

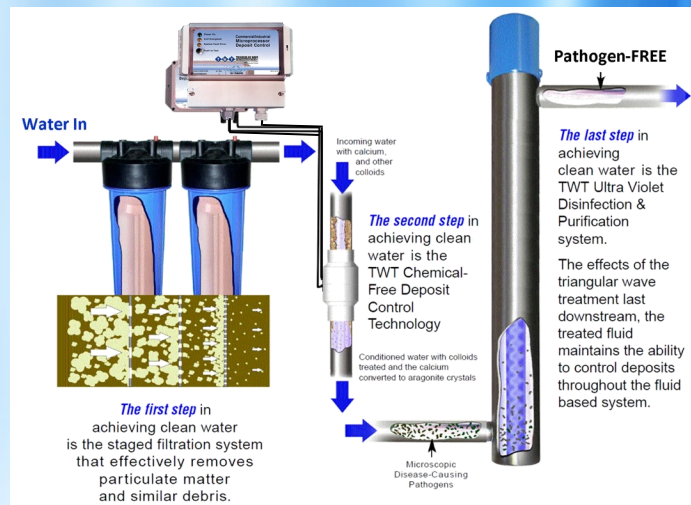
No matter how tough the job, TWT has the solution... Feel, smell and taste the difference in your water quality



Contact us today!

For a free consultation, a quote or to create a program tailored for your facility

TWT® Multi-Process All-In-One Chemical Free Water Treatment Staged Filtration, Hard Water Conditioning & Treatment and UV Purification Technology



"TWT® The Competitive Edge"

Recommendation:

- ◆ Change out filters, twice a year or as needed, based on water quality and use.
- ◆ Change out UV lamp yearly for maximum effectiveness and use.
- ◆ TWT deposit control technology, no maintenance required.

Optional equipment enhancements for your consideration:

- ◆ TWT-UVPV Temperature sensitive automatic water purge valve (no electrical power required) keeps UV system cool - no overheating and alarms, during times of low flow or no flow and/or for extended periods of time. Modular System is designed to remain on 24/7 to ensure proper treatment for the intended use.
- ◆ Self Cleaning Spin Down sediment filter, designed for large particle removal, with manual purge valve. (Enhances downstream filters life cycle).
- ◆ Additional 10" BB, Pre and/or Post treatment filter housings with selected media filters.



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Hard water is the most commonly reported water quality problem by consumers in the U.S., found in over 85 percent of the country. Over 60% of the earth's water is groundwater, which picks up minerals, rocks and soil, including calcium and magnesium contaminants that make water hard.



The Triangularwave System represents a significant breakthrough in electromagnetic technology. The triangular wave has made possible the use of electromagnetic technology in applications of all sizes, from residential to large commercial and industrial applications.

Deposit Control

The patented TWT Deposit Control is comprised of a microprocessor, and a reaction chamber, when required. The microprocessor is a controller that functions like a computer to relay a continuous electrical power supply to the solenoid coil. The signal constantly changes the polarity, frequency and amplitude of the current entering the water. This increases the capability of water to hydrate scale ions and other colloidal particles. The water becomes "wetter" and can dissolve unwanted particles that cause scale, deposits and corrosion.

Deposit Control Benefits

- Deposit Control System Solves Hard Water Problems Easily!
- Eliminates Deposits in Pipes, Fixtures and Equipment
- Controls Algae and Bacteria
- Reduces Soap Scum and Improves Lather of Soap
- Reduces Soap Use
- Removes Existing Scale on Heat Exchangers Over Time, Which Improves Heat Transfer for Greater Efficiency
- SALT and CHEMICAL-FREE Water Conditioning
- Energy Savings (initial estimates indicate savings of between 15% to 30% on water heating bills in hard water areas)
- Prevents Scale Build-up and Dissolves Existing Scale, Making Water Heaters More Efficient.
- Provides The Effect of Softened Water. Gives You the Benefits of Soft Water on the Skin, Hair Clothes and Food Preparation
- No Moving Parts. Design Life Cycle at 20 plus years



**TWT-Deposit Control Solenoid
Coil Wrap with CSE Copper
Pipe Signal Enhancer Application:**

**Copper Pipe Signal Enhancer is required
for copper pipe applications only.**

**PVC/Plastic pipes or Reaction Chamber
require NO Copper Pipe Signal Enhancer**

**ADDITIONAL PRODUCT INFORMATION AND
SUPPORT DOCUMENTS AVAILABLE UPON REQUEST**



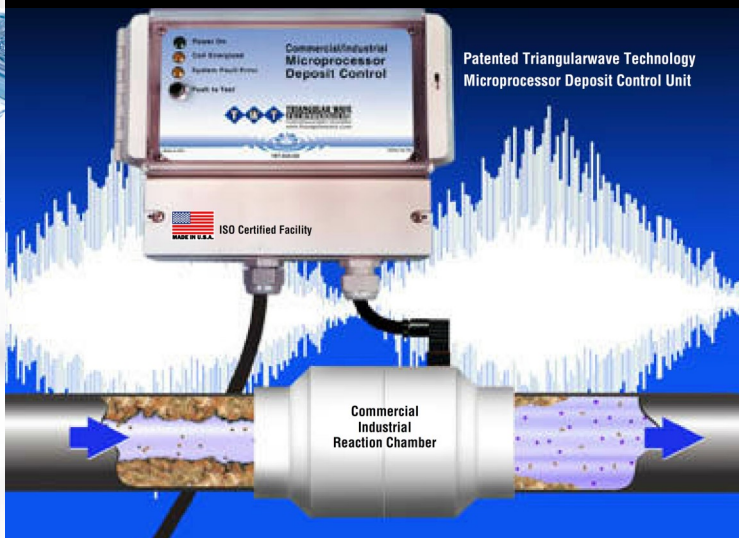
The TWT Reaction Chamber is part of the patented TWT Deposit Control Technology. The Reaction Chamber provides a chamber through which the water flows and is exposed to the triangular wave signal that lies at the heart of the deposit control technology. As the fluid passes through, it is treated and then carries that treatment downstream, to condition the rest of the plumbing system, non-chemically and reliably.

The Difference in Technology Matters

Serving customers needs for over thirty years



TWT Deposit Controllers Technology (DC) Hard Water Conditioning and Treatment Technology



TWT, Inc. offers a full range of products & systems designed to address fluid problems wherever fluid flows. TWT has the versatile, efficient, cost-effective methods to solve your fluid management problems end to end.

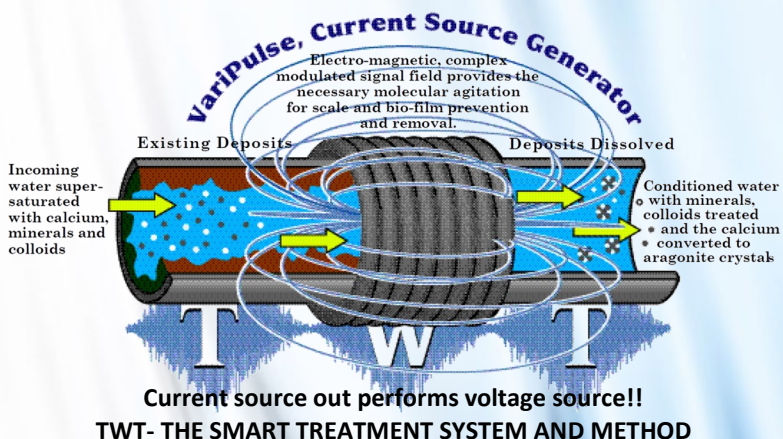
- Controls scale, bio-film & corrosion
- Enhance operating efficiency & life cycle of equipment
- The only products & systems that pay for themselves

We sincerely thank you for your time and interest in our products, and look forward to being a valued part of your operation.



When TWT systems are properly installed, the effects of the Triangularwave treatment last downstream. The treated fluid maintains the ability to control deposits throughout the system. In effect, a clean, corrosion-free delivery system is restored and maintained in an environmentally safe and chemical-free manner. The result is clean pipes and tubing with no biofilm and reduced bacterial contamination.

No matter how tough the job, TWT has the solution... See, feel, smell and taste the difference in your water quality



This state-of-the art electronic deposit controller provides continual scale and bio-film control in fluid systems resulting in reduced maintenance and more efficient operation. The Triangular Wave System utilizes unique and proprietary treatment and design processes .

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The Difference In Technology Matters!

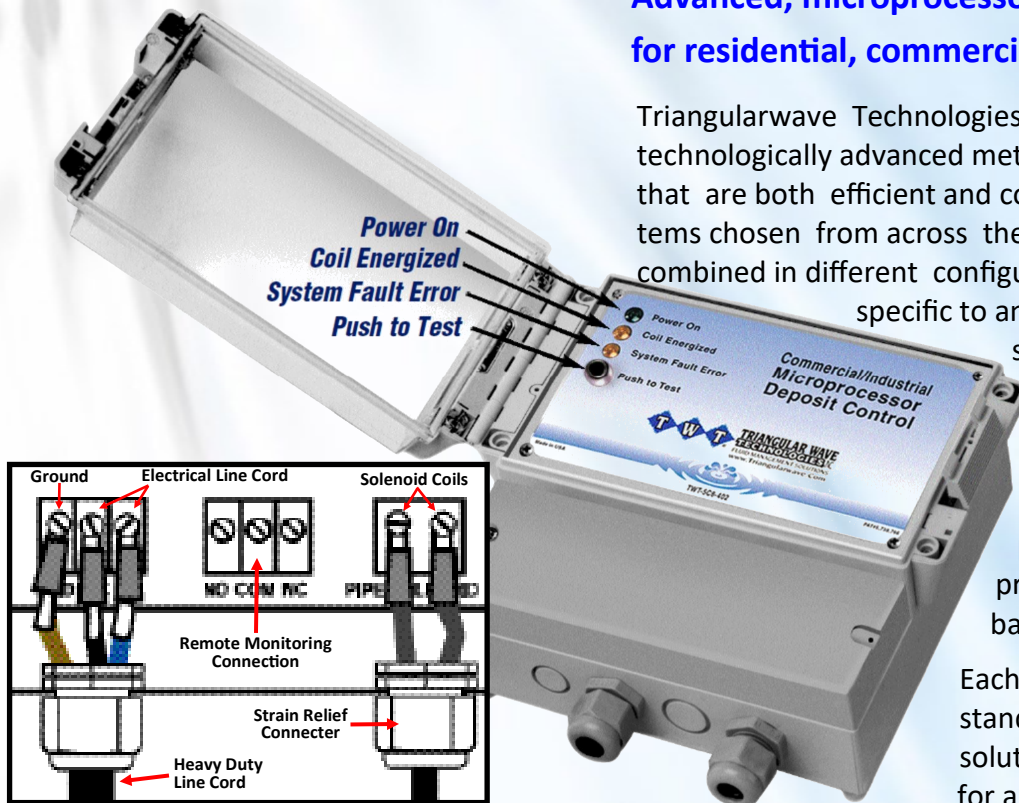
Triangularwave deposit control systems offer all the positive effects of soft water, and clean up existing deposits, without use of traditional salts and chemicals.

SEARCHING FOR
WATER & ENERGY
SAVINGS?

Advanced, microprocessor-driven deposit control systems for residential, commercial and industrial environments.

Triangularwave 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.



Profitable Opportunities

Pays for itself in a short period of time:
Hard dollar savings –
energy, water, chemical & salt
Soft dollar savings –
labor, time, material & safety
Moves when you do (Self Contained)
Enhances the performance of downstream
water treatment equipment.



Patented...Designed,
Engineered and
Manufactured in USA
ISO Certified Facility

The Triangularwave Deposit Control System uses a Current Source as the drive circuit to the pipe solenoid. A Current Source is the most reliable and strongest conditioning signal over a wide frequency range. Most waters have qualities that vary over time. Higher total dissolved solid concentration will cause greater impedance in the system. The TWT system, with a Current Source generator is able to sense the increased impedance and maintain the strong conditioning. In effect, a clean, corrosion-free delivery system is restored and maintained in an environmentally safe and chemical-free manner. The result is clean pipes and tubing with no biofilm and reduced bacterial contamination.

- ☒ Eliminates need for Toxic Chemicals
- ☒ Controls Algae & Bacteria
- ☒ Reduces Corrosion
- ☒ Removes Scale Deposits
- ☒ Prevents Scale Buildup
- ☒ Controls Biofilm
- ☒ Prevents Regrowth of Bacteria & Algae
- ☒ Chemical Safe
- ☒ Has Lasting Effects Downstream
- ☒ Environmentally Friendly
- ☒ Energy Savings
- ☒ Cost Effective
- ☒ Pays for Itself
- ☒ Short Pay Back Period
- ☒ Water Savings
- ☒ Moves When You Do (Reusable)
- ☒ Swimming Pools & Spa Use
- ☒ Public / Private Water Fountains
- ☒ Versatility (applications)
- ☒ Mechanical Safe
- ☒ Electrical Safe
- ☒ Cooling Tower Applications
- ☒ Heat Exchangers Applications
- ☒ Condensers & Chillers Applications
- ☒ Boiler Applications
- ☒ HVAC Applications
- ☒ Medical / Dental Applications
- ☒ Non-Invasive
- ☒ Irrigation Applications
- ☒ Agricultural Applications
- ☒ Water Heater Use
- ☒ Spray Systems Applications
- ☒ Food Processing Equipment
- ☒ Residential Applications
- ☒ Commercial Applications
- ☒ Industrial & Process Applications
- ☒ Reduces Down Time
- ☒ Reduces Overall Maintenance
- ☒ Maintenance-Free Treatment Equipment
- ☒ Safe to Use
- ☒ Easy to Use
- ☒ Easy to Install
- ☒ Life Cycle Savings
- ☒ All Fluid Based Applications
- ☒ Systems to Effectively Meet the Needs of Any Industry and Application
- ☒ Restaurants
- ☒ Food Industry
- ☒ Beverage Industry

*No matter how tough the job,
TWT has the solution...See, feel,
smell and taste the difference in
your water quality*

TWT checks all the right boxes...



***In order to ensure the greatest level
of performance and satisfaction in your
work with the TWT products & systems,
we recommend that you contact our
engineering staff, who will be pleased to
work closely with you to determine the optimal
product selection, application and installation
for your industry specific needs.***



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