

Triangularwave Technologies, Inc. (TWT®)

Control of Scale Deposits • Biofilm Corrosion • Alga and Colloids in the HVAC (Process Cooling) Industry

TWT® DEPOSIT CONTROL with IONGUARD IONIZATION HVAC PURIFICATION SYSTEM

Technologically Advanced Products, Systems and Methods for Water & Fluid Management Providing Comprehensive End-To-End Solutions



Scale Deposits



Encrusted Heat Exchangers



Scale Buildup Scale Free



TWT® IonGuard Ionization and Deposit Control Systems Combined for Maximum Effectiveness

The Green Market Solution: Chemical-Free

Triangularwave Technologies, Inc. is the Leader in Chemical-Free HVAC Fluid Conditioning & Treatment Systems. Using It's Patented Triangularwave Deposit Control Technology, IonGuard Ionization and/or other related Technologies. TWT® Effectively Meets The Needs Of Any Application.

Enhancing Water Quality, Improving HVAC Operating Efficiency and Equipment Life Cycle

Conserve water • Save Energy • Increase Cooling Efficiency

Treat your algae, bacteria, scaling, deposit, corrosion and oxidation problems with efficient, environmentally-friendly Triangularwave Technologies (TWT®) Chemical-Free Products & Systems.

HARD WATER PROBLEMS SOLVED EASILY!

- Conserve Water
- Save Energy
- Increase Cooling Efficiency
- Prevents Scale Build-Up
- Eliminates Toxic Chemicals
- Reduces Corrosion
- Controls Algae & Bacteria
- Short Payback Period with Significant Lifecycle Savings

TWT, Inc. 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 industry, site or application. TWT has the versatile, efficient, cost-effective methods to solve your fluid/water management problems end to end.

NO MATTER HOW TOUGH THE JOB...TWT® IS THE SOLUTION

Visit Triangularwave Technologies, Inc's comprehensive websites, the valuable technical resource for all involved in water and fluid management...

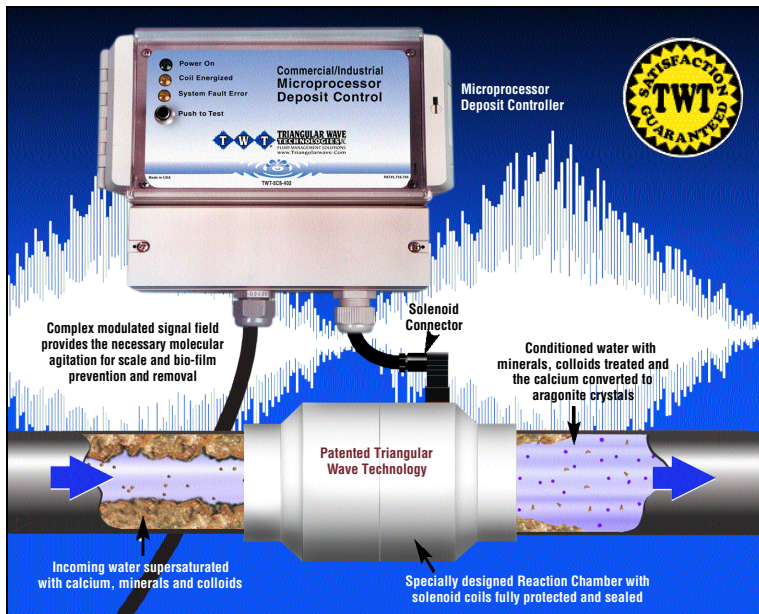
www.triangularwave.com

www.twtwatertreatment.com



Triangularwave Technologies, Inc. (TWT®)

TWT® Patented Deposit Control Technology • IonGuard Disinfection & Purification



How TWT Deposit Controller and Reaction Chamber System Work:

Using modern integrated circuitry and signal processing techniques, the patented TWT Deposit Control Technology works by producing a complex frequency-modulated waveform. This creates a deionizing effect, induced by physical means, which increases the solubility of the minerals, and colloids in the liquid and changes the shape, size and texture of the calcium carbonate crystals. By this reaction, the minerals, colloids and crystals lose their adhesive properties and remain in suspension in the liquid. Pre-existing scale is taken back into solution and removed in the same way. The effects are immediate and long lasting down stream.

DEPOSIT CONTROL (CHEMICAL-FREE)

TWT® Patented Deposit Control Technology

The basic component in the TWT systems is the deposit controller. It is comprised of a microprocessor, solenoid coil wrap and/or a reaction chamber. The microprocessor is a patented controller that functions like a computer to relay a continuous electrical power supply to the solenoid coil and/or reaction chamber. The reaction chamber is plumbed into the main water in-take line and/or just before each piece of vital processing equipment, and provides a factory wrapped wire coil forming a solenoid.

The solenoid conveys the Triangularwave signal at the appropriate power level (as allowed by the model chosen) to the water passing through the chamber. This signal constantly changes the polarity, frequency, and amplitude of the current entering the water. This Triangularwave treatment produces several benefits. It increases the capability of the water to hydrate scale ions and other colloidal particles. In effect, the surface charge of the hydrogen molecules is enhanced and the water is made "wetter". This "hydrated" water can dissolve unwanted particles, suspend them in solution, and allow them to be easily filtered out or flushed from the system. Accordingly, the and biological particles that cause scale, deposits, and corrosion are dissolved and washed away. This means that the breeding environments for bacteria, such as bio-film and corrosion, are eliminated.

The agitation created in the reaction chamber also disrupts the conditions essential for the normal reproduction of bacteria and they die, thus allowing them to be harmlessly flushed out of the system.

TWT REACTION CHAMBER:

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 Triangularwave 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.

Control Scale Deposits/Bacteria Corrosion Algae/Colloids In Your HVAC systems. Eliminate the biofilm that serves as a breeding ground for disease – causing bacteria, collecting in your pipes, tubing and equipment.

How to find additional technical information about TWT® Deposit Control Technology. Go on the home page of the TWT web site and click on "About the Technology" there you will find additional Installation & Technical Guidelines

IONGUARD PURIFICATION SYSTEM:

The IonGuard Purification System is an electrolytic copper / silver ion generator.



The system units contain specially cast copper / silver alloy electrodes. These electrodes are mounted in a housing designed for easy access. The IonGuard Purification System purifies water through a process called ionization. This process utilizes a low voltage direct current [DC] to place precise and minute amounts of copper and silver ions into water systems. Copper ions kill algae and silver ions kill bacteria (integrate with TWT deposit control technology for enhanced results).

END-TO-END FLUID/WATER CONDITIONING, TREATMENT AND PURIFICATION



- With no chemicals being added, the requirements for pre-treatment of blow down are eliminated
- One time cost vs. recurring monthly chemical=**better profit margin**
- Labor costs for maintaining the systems will be reduced
- Labor costs to clean the vessel surfaces will be reduced
- Costs to replace corroded parts like heat exchanger tube bundles, etc. will be reduced.
- Less downtime for equipment repairs an maintenance=**increased production**
- The Triangularwave System requires little or no maintenance
- Increased heat transfer from non-scaled tube surfaces=**significant energy savings**
- Easy interface with facility management hardware and software systems for centralized management

Triangularwave Technologies Solves These Common Problems With Its Deposit Control & IonGuard Disinfection & Purification System

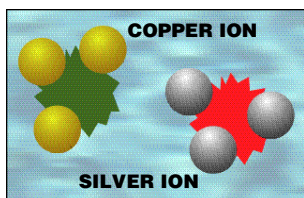
The TWT® IonGuard Purification System purifies water through a process called ionization. This process utilizes a low voltage direct current [DC] to place precise and minute amounts of copper and silver ions into water systems. The TWT® IonGuard Purification System releases controlled amounts of copper/silver ions into the water to kill algae, biofilm, fungi and other microorganisms. It is well-documented fact that copper & silver ions kill algae, bacteria, viruses and even Legionnaire's Disease. These ions provide long term, nontoxic purification and prevent any recontamination. They maintain a continuous disinfection process automatically while allowing you to reduce chemical usage dramatically. This will prevent plugged water passages and severe deterioration of piping & metal surfaces.

HOW IONS ATTACK MICROBES

Ions are electrically charged atoms (An ion is merely an electronically charged atom or group of atoms. An atom acquires this charge by gaining or losing electrons.

Negatively charged electrons are one of the three major subatomic particles, the others being protons, which have a positive charge, and neutrons,

which have no charge). With copper-silver ionization, copper ions target algae, while silver ions kill



bacteria and viruses. The ions bind with the debris and are removed in the process. Ions in the Triangularwave System are positively charged; algae, bacteria and other particles in the water are negatively charged. The positive to negative attraction allows the ions to attach to the organisms, penetrate their cell walls, and kill them. The IonGuard Purification System is an electrolytic copper/silver ion generator. The system units contain specially cast copper/silver alloy electrodes. These electrodes are mounted in a PVC housing designed for easy access.

The criteria for copper and silver in water are as follows: The EPA standard for water is 1.0 ppm (parts per million) maximum for copper and 50 ppb (parts per billion) maximum for silver. The system is programmed so that a water test showing 0.25 ppm to 0.35 ppm copper automatically provides the proper ratio of silver. This will produce water quality in any water system treated. The TWT treatment requires no chemicals in its function of controlling algae and bacteria.

A "current source" generator powers the IonGuard Purification System. Other manufacturers use "voltage source" generators to

power their ionization units. In all ionization units, copper and silver ions plate off of the electrodes and enter the water. Over time, the electrodes will become smaller, and the gap between the electrodes will become larger.

TWT's current source generator will automatically compensate for the change in gap size, while voltage source generators must be manually inspected and adjusted. The current source generators in the TWT IonGuard Systems offer trouble free operation. We recommend that the IonGuard Purification System be installed downstream of a TWT Deposit Control System. The Deposit Controller will keep the IonGuard System electrodes free of scale and other deposits for more effective results. At the same time, the Deposit Control System will help eliminate scale and biofilm deposits throughout the entire water system.

Without the TWT Deposit Control System in place, ionization electrodes may develop either a layer of scale or oxidation. In either case, it is necessary to periodically clean the electrodes with an acid solution. The TWT Deposit Control System eliminates the need for such periodic cleaning.



IonGuard Disinfection System

The electrodes are mounted in a housing designed for easy access (HVAC environments)

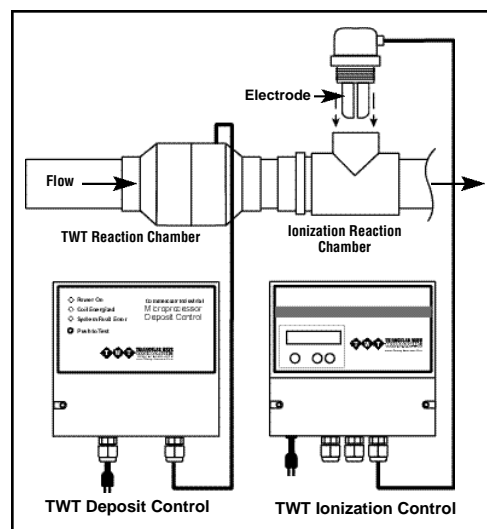
Note: An extra set of replacement electrodes is suggested to be purchased with each system ordered to ensure uninterrupted treatment at all times.

Sensing Environmental Needs with Intelligent Solutions

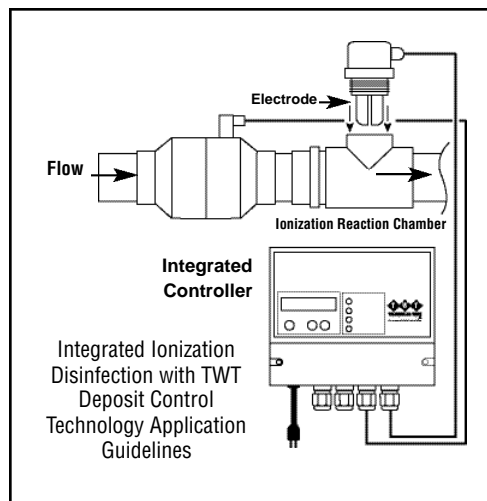
**Be Smart, Buy Once!
Go Green Save Green**



Deposit Control & IonGuard Disinfection & Purification



TWT Deposit Control and Ionization Products & Flow Diagram



Three (3) Unit Application & Installation

TWT® Cooling Tower/Condenser Application & Installation Guidelines

UNIQUE, SCALABLE SYSTEMS FOR EVERY NEED OPTIONAL: NOT REQUIRED

TWT Deposit Control Products & Systems can be deployed in different modular configurations, scaling to fit your specific needs.

Configuring for extreme hard water conditions (TDS)-Example:

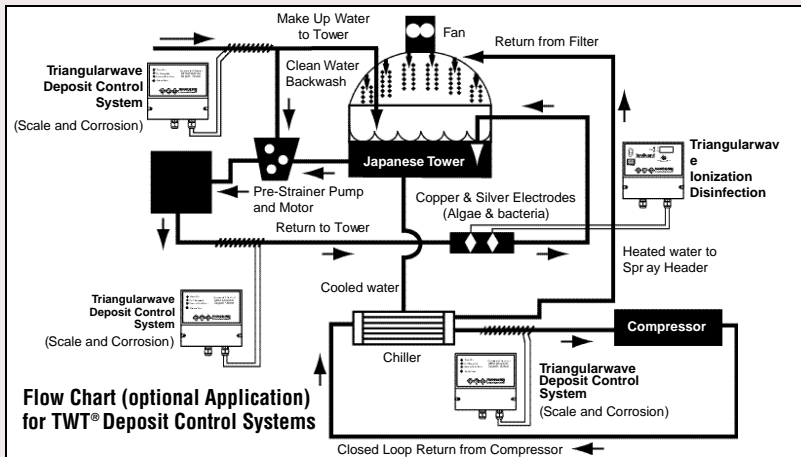
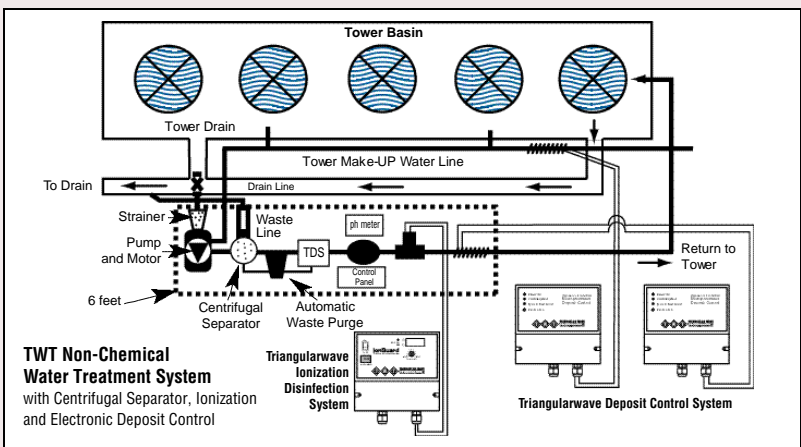
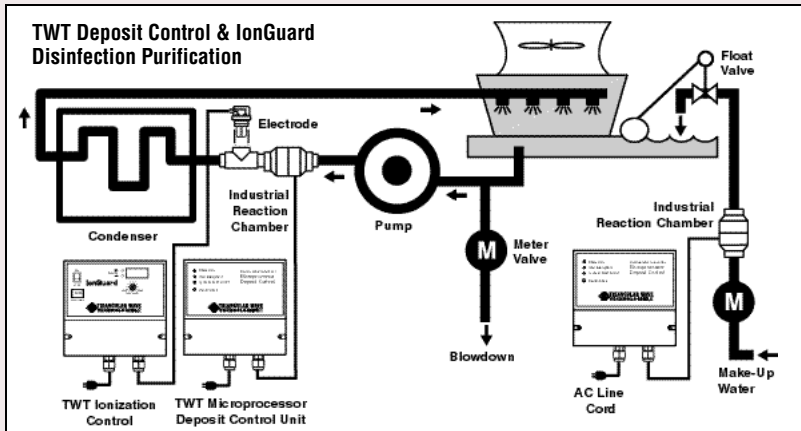
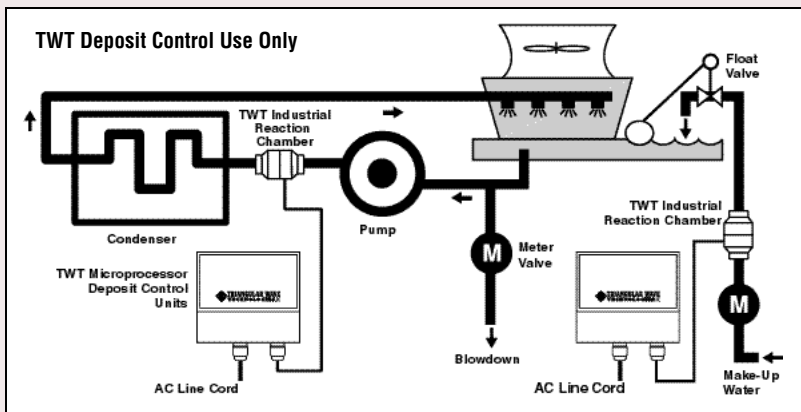
An industrial site with 2" piping and a moderate to high Total Dissolved Solids (TDS) level could be treated with the expected TWT-5C8-402 (2") Deposit Controller and the appropriate 2" Reaction Chamber, Copper Pipe Signal Enhancer or on-site solenoid wrap. If that site, however, had a very high TDS level, the 2" pipe would best be treated by a 3", 4", or even 6" TWT Deposit Controller combined with the appropriate 2" Reaction Chamber, Copper Pipe Signal Enhancer or on-site solenoid wrap, depending upon the severity of the TDS level. In other words, for *unusual situations*, application of TWT products can be scaled up to meet those needs.

Note:

When upgrading controller, the reaction chamber, copper pipe signal enhancer or on-site wrap coil dimensions must continue to match the actual pipe size, not the controller upgrade.

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.

The TWT Deposit Control System will keep the IonGuard System electrodes free of scale and other deposits for more effective results. At the same time, the Deposit Control System will continue eliminating scale and biofilm deposits throughout the entire fluid based system.

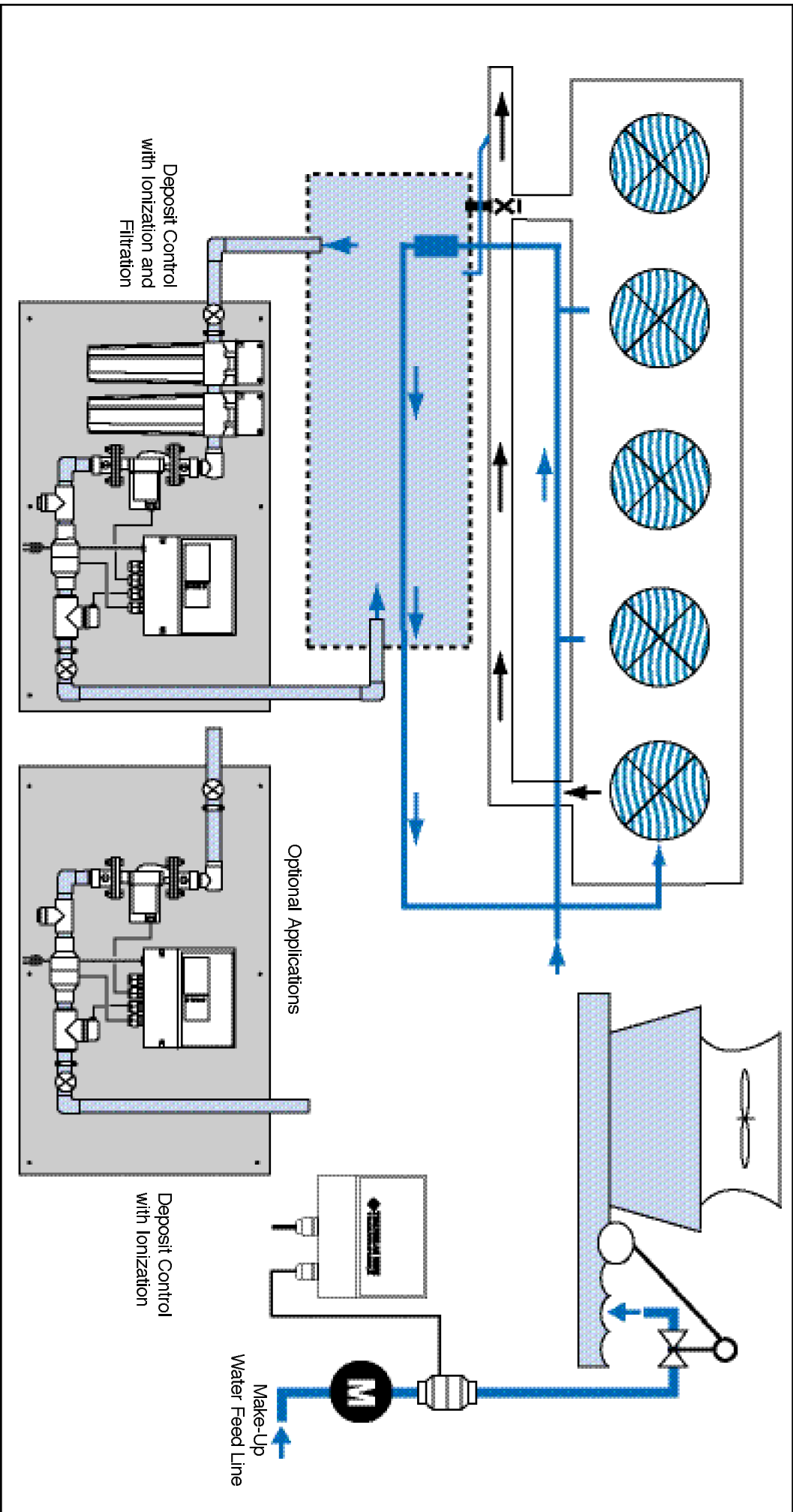


Side Stream ByPass HVAC Treatment System

HVAC: For larger pipe size applications contact TWT today (info@Triangularwave.com) for information on what TWT system will meet your specific application needs.

Note: The TWT® Deposit Control System does not interrupt the cooling tower operations.

TWT Side-Stream/Bypass HVAC Industrial Water Treatment Systems, Chemical-Free Water/Fluid Conditioning and Treatment for the HVAC Industry. (Cooling Towers, Evaporative Condensers and Chillers)



The longGuard Purification System purifies water through a process called ionization. This process utilizes a low voltage direct current (DC) to place precise and minute amounts of copper and silver ions into water systems. Copper ions kill algae and silver ions kill bacteria. The longGuard Purification System is an electrolytic copper/silver ion generator. The system units contain specially cast copper/silver alloy electrodes. These electrodes are mounted in a housing designed for easy access (HVAC & Pool Environments).

The TWT Deposit Control System will keep the longGuard System electrodes free of scale and other deposits for more effective results.

At the same time, the Deposit Control System will continue eliminating scale and biofilm deposits throughout the entire fluid based system.

The TWT Bypass Fluid Treatment System can be installed using standard alone products and/or as a fully integrated, assembled & mounted treatment system, combining filtration, patented TWT Deposit Control and longGuard purification technologies. The System is designed to provide a practical answer to large pipe diameter and recirculating fluid treatment problems. The Bypass system offers a much sought after solution at an economical price. Enhancing water quality, improving operating efficiency and equipment life cycle. When using the TWT Bypass

system and if not installing TWT deposit control technology as recommended by TWT, Inc. in-line, it is suggested to install a deposit control unit on the make-up water feed line. The combined treatment approach will provide end-to-end conditioning all of the time (treat all of the water all the time).

Please Note:
System engineering design, weight, size and system component assembly may vary based on TWT engineering review, water conditions, application, industry and/or customer specific needs. Pumps, piping and other related materials to and from units, customer's responsibility.

Current Source Generators Out Perform Voltage Source Generators

Microprocessor-driven deposit control, Ionization, disinfection, purification for commercial and industrial environments.

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.

Salt and chemical-free water conditioning for any application

PREVENTS SCALE BUILD-UP

- Scale particles in the water receive an enhanced surface charge that causes them to repel each other and from the walls of the equipment

ELIMINATES TOXIC CHEMICALS

- No recurring chemical expense
- No handling and storage of hazardous chemicals on site
- No chemical discharge

REDUCES CORROSION

- Reduces bio-corrosion by preventing the formation of bio-growth on vessel surfaces where bacteria can attack the metal
- With higher concentration ratios and TDS, the pH will be higher and there will be much less tendency for corrosion
- Prolongs life cycle of equipment
- Increased cycles of concentration in cooling systems=
significant water savings

CONTROLS ALGAE AND BACTERIA

- Bacteria and algae must attach to something before they can feed and reproduce. The Triangular Wave System keeps the bacteria, algae, and their food dispersed in the water, off of surfaces, and away from their biofilm breeding ground
- Eventually the bio-film is eliminated and bacteria die
- Improve the operating efficiency and life cycle of process infrastructure and equipment

SHORT PAYBACK PERIOD

- The combined reduction of water, chemical and energy costs is enough to pay for the Triangular Wave System in as little as 9 to 18 months
- With the Triangular Wave Treatment, the systems can run at higher concentration ratios, meaning the amount of water removed as blowdown and the corresponding sewer charges are greatly reduced. *TWT treatment equipment is a reusable investment and retains its value – if you move your facility or reengineer your plumbing system, TWT equipment moves with you.*
- With no chemicals being added, the requirements for pre-treatment of blow down are eliminated

- One time cost vs. recurring monthly chemical=
better profit margin
- Labor costs for maintaining the systems will be reduced
- Labor costs to clean the vessel surfaces will be reduced
- Costs to replace corroded parts like heat exchanger tube bundles, etc. will be reduced.
- Less downtime for equipment repairs an maintenance=
increased production
- The Triangular Wave System requires little or no maintenance
- There is little electrical current flow through the electro magnetic system
- Reduces energy costs use through improved heat transfer efficiency
- Increased heat transfer from non-scaled tube surfaces=
significant energy savings
- Easy interface with facility management hardware and software systems for centralized management

Benefits for HVAC Cooling & Heating Applications

The constant battle of monitoring cooling and heating systems will become a thing of the past. Balancing the water chemistry on a daily or weekly basis is not necessary with the Triangular Wave System. Cleaning of the systems will be much easier, involving a pressure wash one or two times per year, rather than extensive manual brushing and acid washing. When water systems are clean and free of deposits, heat transfer is at its most efficient. Scale and biofilm are great insulators, that are eliminated. Also scale buildup in pipes creates increased roughness and reduced flow area. Clean pipes mean less energy is needed to drive the pumps.

Energy costs may be reduced by up to 30%. Many municipal sewer agencies penalize and charge fees to users, because their blowdown contains hazardous chemicals, which the agencies must treat. Without chemicals in the blowdown, those fees can be avoided.

Unpolluted discharge from blowdown and bleed=environmental compliance. The workplace is safer, because the staff is not handling toxic chemicals. Cooling and heating systems are large investments that need to be protected. The Triangular Wave System reduces corrosion, deposits, and harmful chemicals, all of which allow the equipment to meet or exceed life cycle expectations. Recent studies by manufacturers of cooling systems indicate that systems that should last 20 years or more are lasting an average of 8 to 12 years.

Let TWT custom design a system to meet your specific application, system integration, and/or retro-fit needs.

CAN'T SOLVE THE PROBLEM...TWT® CAN!

TRIANGULAR WAVE DEPOSIT CONTROL SYSTEMS SAVE WATER, SEWER, ENERGY AND CHEMICAL COSTS.

CAN'T SOLVE THE PROBLEM...TWT® CAN!

The Triangular Wave Deposit Control System is an advanced method for controlling scale and bio-fouling in fluid systems. It is applicable with once-through and recirculating HVAC, heating, and process cooling systems as well as agricultural, industrial processing, wastewater, and other fluid based systems. The TWT Deposit Control System performs many functions that lead to significant cost savings.

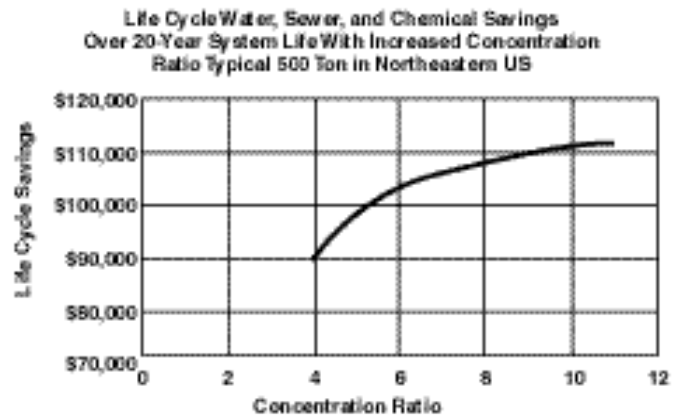
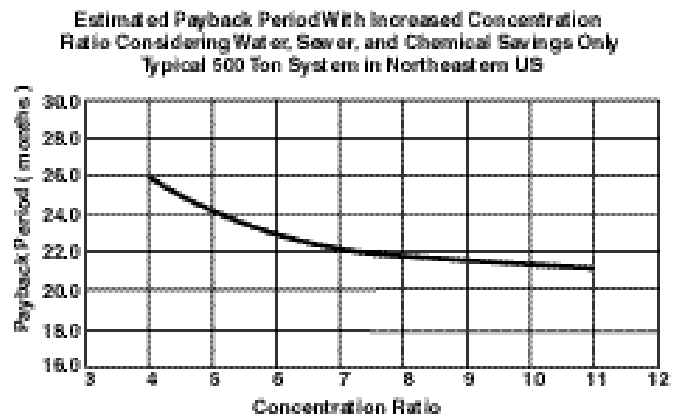
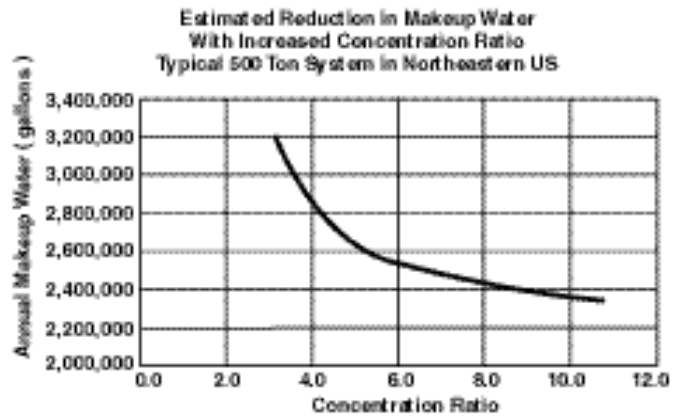
For example:

- Increased cycles of concentration in cooling systems= **Significant water savings.**
- Increased heat transfer from non-scaled tube surfaces= **Significant energy savings.**
- Deposit control means **blowdown can be reduced**, because concentrations of total dissolved solids in the water may be allowed to rise without concern for scale build-up.
- Deposit control means **no chemical treatment** is needed to keep equipment surfaces free of scale and biofilm.

A typical 500-ton cooling tower system located in the northeastern United States may be operated safely at a concentration ratio of 6 - 8, or higher, with a Triangular Wave Deposit Control System installed. If the original concentration ratio was 3, then the annual blowdown water savings would be 700,000 gallons, contributing to a **50% reduction in make-up water**. In warmer regions or areas of the country with harder water, the savings may be even greater.

The typical combined water and sewer costs for the blowdown water would be approximately \$3.00 per 1000 gallons, and the chemical treatment costs would be about \$6,000 per year. At those costs, **the annual savings would exceed \$8,200.**

The payback period for a TWT Deposit Control System is typically between 9 and 18 months. If a 20-year life at 3% interest is assumed, then **the present value of life cycle savings would be about \$108,000 or greater.**



Energy Savings Mechanism

Primary energy savings result from a decrease in energy consumption in heating or cooling applications. This savings is associated with the prevention or removal of scale build-up on a heat exchange surface where even a thin film (1/32" or 0.8 mm) can increase energy consumption by nearly 10%. Examples of savings resulting from the removal of calcium-magnesium scales are shown in table. A secondary energy savings can be attributed to reducing the pump load, or system pressure, required to move the water through scale-free, unrestricted piping.

Scale Thickness (inches)	Increase Energy Consumption (%)
1/32	8.5
1/16	12.4
1/8	25.0
1/4	40.0

Example Increase in Energy Consumption as a Function of Scale Thickness*

* See Federal Technology Alerts/Non-Chemical Technologies for Scale and Hardness Control (http://www.pnl.gov/fta/11_non.htm)

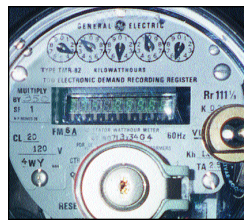
The return on investment of a TWT Deposit Control System is undeniably significant from operational, economical, and safety points-of-view.

The Return On Investment of a TWT System is Undeniably Significant From Operational, Economical, and Safety Points-Of-View.



HARD DOLLARS SAVINGS- Chemicals, Salts Water & Energy

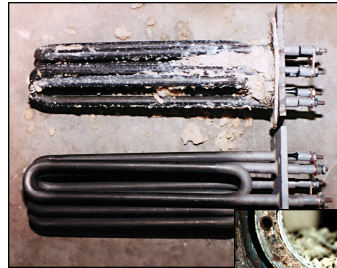
- Usage reductions of around 90% or more are typical.
- Water In - typically the HVAC industry concentration ratio can be increased from 2-3 to 6-8 (while still reducing the chemical consumption), indicating an annual make-up water savings of 60% or more. Savings would include conservation incentives.
- Water Out - volume of discharged water is reduced proportionately, along with the fees. Depending on actual chemical, salt use reduction and local laws, further savings may be possible if blow down water can be recycled and/or sent directly to the sewer system.



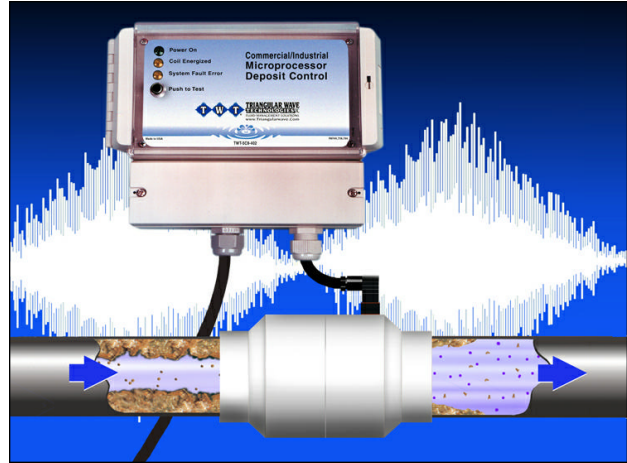
- Energy - systems have been found to deliver between 5 and 15 % energy savings when compared to a well functioning chemical system because the controller adapts to changes in water conditions without operator intervention. Energy savings can be much higher (up to 40 %) vs. a poorly performing chemical system or no chemical system at all.

SOFT DOLLARS - Materials, Labor, Time, Safety

- Chemical, salt handling and storage costs - reduced material and labor costs, freed-up storage space and cost allowance for increased safety (risk reduction). Reduction comparable to chemical cost reduction (up to 90 %).
- Maintenance, repair, replacement and downtime costs (chemical & salt delivery systems) - due to reduced usage rate. Reduction comparable to chemical and salt cost reduction (up to 90 %).



- Maintenance, repair, replacement and downtime costs (plumbing system, tower and cooling systems) - due in part to the adaptability described above under "Energy". Cleaning of the system and/or during shut down is also generally easier with TWT technology, as any film on any surface can be easily removed with a soft cloth. Additionally, the lower level of chemicals in the system will make it safer for workers doing the cleaning (75 - 90 %).



Complex modulated signal field provides the necessary molecular agitation for scale and bio-film prevention and removal

LIFECYCLE SAVINGS

- Savings continue typically for 10 years or more from date of installation. Savings accelerate after the payback period and continue for the life of the system. Lifecycle savings are thus typically many times the cost of the TWT System.

HARD DOLLARS

- Can be estimated from purchase records or water volume and prices from the previous year.

SOFT DOLLARS

- Costs should be estimated based on the average of 10 years of data, or the age of the system if less than 10 years old, to smooth out the effect of infrequent repairs and replacements.

LIFECYCLE SAVINGS

- Are calculated as the net present value of the sum of the annual savings over 10 years using a reasonable interest rate (e.g. prime plus 2 %).

TYPICAL PAYBACK is less than 2 years when considering **HARD DOLLARS ONLY.**

TWT: The Ultimate in Chemical-Free Water Treatment & Conditioning

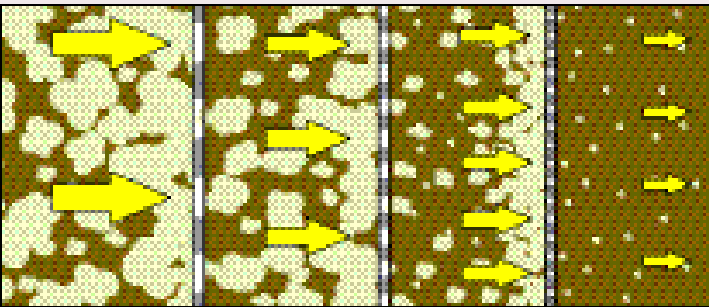
TWT, Inc. offers a full range of products & systems designed to address fluid problems wherever fluid flows. From patented deposit control technology to pre and post filtration needs, ionization, disinfection, and ultraviolet purification treatment and conditioning, TWT has the versatile, efficient, cost-effective methods to solve your fluid management problems end to end.



TWT, Inc. is focused on providing a complete selection of top quality water treatment, purification and conditioning solutions to discriminating consumers who demand the very best in water quality. Our mission is to provide you, the consumer, with direct access to premium water treatment technology solutions for your HVAC, industrial and commercial applications.

Triangulawave 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, Inc. 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, ionization, iron removal, disinfection, and ultraviolet purification treatment and conditioning, TWT has the versatile, efficient, cost-effective methods to solve your fluid management problems end to end.



The First Step in achieving clean water is a filtration system that effectively removes particulate matter and similar debris.



The Second Step in achieving clean water is the TWT Chemical-Free Deposit Control Technology (hard water problems solved easily)



The Third Step in achieving clean water is the IonGuard Purification system with an electrolytic copper / silver ion generator

The Fourth Step in achieving clean water is a post filtration system if customer deems necessary and/or required.

- Controls scale, bio-film & corrosion
- Enhance operating efficiency & life-cycle of equipment
- Saves water & energy
- Protect new equipment: TWT provides new equipment with the ability to enhance it's features and benefits
- Treatment for existing equipment: Retrofit existing equipment to improve its operating efficiency and life-cycle

Choosing the right system depends on these things...

- The water treatment requirements dictated by the base water quality and environmental factors found in your geographic location.
- The levels of chemical/biological contaminant's found in your water source as revealed in an independent water quality test.
- The pipe size and material of the water pipe feeding your facility or processing equipment.
- The minimum amount of water measured in gallons per minute (GPM) necessary to satisfy your peak water usage.
- Power/Current source available in your part of the world.

At TWT we feel the simplest way to choose a system depends on your personal situation. Facility owners with well water have different water treatment requirements. People with municipal water may choose to rely on a scaled down system that meets their current needs, while facilities used untreated ground or surface water need to fully account for all aspects of water treatment in order to guarantee the purity of their water. Contractors and architects building large projects or facilities managers responsible for maintaining expensive H.V.A.C. equipment have unique water treatment requirements as well. **If you need guidance choosing the right system, contact us.**

LOOKING FOR A CUSTOM SYSTEM SPECIFICATION?

- Regardless of the size of your facility, or your budget, TWT has the right water treatment products at the right price that will enable you to get the quality water you deserve.
- For clients managing a facility who are looking for a custom system tailored to a specific set of requirements, TWT offers CUSTOM SYSTEM SPECIFICATIONS. Designing and implementing custom integrated "All-in-One Modules" systems is one of our specialties, so if you are looking for a comprehensive custom water treatment solution for your facility, you have come to the right place.
- For clients with moderate water usage requirements, TWT can guide you in selecting the right combination of Point-of-Use products ... to ensure that all of the water used is safe for it's intended use.

Triangularwave Technologies, Inc. (TWT®)

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

- Control Scale Deposits
- Bacteria
- Corrosion
- Algae
- Colloids

In All Fluid Based Systems

Potable Water, Process and Waste Water Treatment & Conditioning

PROTECTION FOR NEW EQUIPMENT

TWT provides new equipment with the ability to enhance the product features and benefits

TREATMENT FOR EXISTING EQUIPMENT

Retrofit existing equipment to improve its operating efficiency and life cycle

ENHANCE PRODUCT LINE

Enter new markets and broaden customer satisfaction

CUSTOM DESIGN

Let TWT, Inc. custom design a fluid management system to meet any industry specific application

- Residential
- Commercial
- Industrial

Triangularwave Technologies, Inc. (TWT®) Modular Technologically advanced method for water/fluid management & control. All-In-One Water Filtration, Disinfection & Purification Systems Available Upon Request.

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ALL TWT® PRODUCTS AND SYSTEMS COME WITH EASY TO FOLLOW CARE, MAINTENANCE AND OPERATIONAL MANUALS. READ ALL INFORMATION CAREFULLY BEFORE INSTALLING THE SYSTEM

ALL PRODUCTS & SYSTEMS ARE RUGGEDLY CONSTRUCTED FOR EXCEPTIONAL PERFORMANCE.

THE RUGGED DESIGN OF THE PRODUCTS & SYSTEMS ENSURE THAT THEY WILL ENJOY A LONG AND RELIABLE LIFE CYCLE WHEN PROPERLY CARED FOR.

HAVE AN INDUSTRY SPECIFIC FLUID PROBLEM?

HAVE AN INDUSTRY SPECIFIC TUBE AND/OR PIPE CONFIGURATION PROBLEM?

LOTS OF COMPANIES PROVIDE PRODUCTS AND SYSTEMS... TWT, INC. SENSES ENVIRONMENTAL NEEDS WITH INTELLIGENT SOLUTIONS!

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 application and installation for your industry specific needs.

TWT products make sense from operational, economic, and safety point of view. Ownership of the TWT System will afford you and our customers significant savings over a short period of time and even greater savings over the life of the equipment.

Contact your Distributor or TWT today (info@Triangularwave.com) for information on what sized TWT system will meet your specific application needs and/or visit Triangularwave Technologies, Inc. Comprehensive Websites.

The Valuable Technical Resource For All Involved In Water And Fluid Management. www.Triangularwave.com • twtwatertreatment.com

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



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

TWT® The Ultimate in Water Treatment & Conditioning

TWT "The Competitive Edge"

Go Green-Save Green



ISO Certified Facility