

# Technologically Advanced Method For Water Filtration, Conditioning, Treatment & Purification

Multi-Stage Filtration • Electro-Magnetic Fluid Conditioning • Ultra Violet Disinfection & Purification



TWT-MD1004SC (12 GPM)

**TWT® the Ultimate in Water Treatment & Conditioning—  
Chemical-Free. Technologically Advanced Method for  
P.O.U./P.O.E. Applications**

**SYSTEM INTEGRATED AND COMBINED FOR  
MAXIMUM EFFECTIVENESS—TWT® ALL-IN-ONE  
SYSTEM—THE COMPETITIVE EDGE!**

TWT-MD1004SC—(12 GPM) All-In-One System shipped complete with:

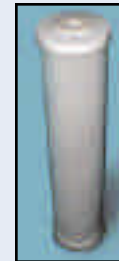
- Filter Wrench • Sediment Filter • Carbon Filter • GAC Filter—
- Filter mediums used in staged filter housings are configured as illustrated. Other filter mediums and micronic sizes are available upon request. Mediums to be determined and based upon input water quality and customer and/or industry specific treatment requirements.
- UV Lamp & Quartz Sleeve • Owners Manual
  - Inverter (Optional) • Pressure gauges and other related components as illustrated, for easy operation and maintenance.



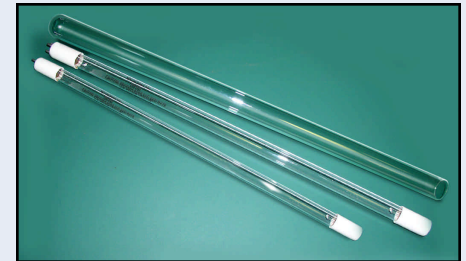
(20" BB) Sediment



(20" BB) GAC



(20" BB) Carbon



UV Quartz Sleeve / UV Lamp



Wrench



Optional Inverter

**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

TWT Inc. recommends that an initial supply of replacement products e.g., replacement filters, UV lamps etc. be stored at owners facility at all times, that will insure uninterrupted service and treatment.



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

# Technologically Advanced Method For Water Filtration, Conditioning, Treatment & Purification

Multi-Stage Filtration • Electro-Magnetic Fluid Conditioning • Ultra Violet Disinfection & Purification All-In-One System



Applies all the needed elements for maximum fluid protection, management, and peace of mind in one simple packaged solution. Technologically advanced method for water management. Staged Filtration, TWT® Microprocessor Deposit Controller, Reaction Chamber, and UV Disinfection /Purification units are combined to provide a start-to-finish answer to simplified prevention, treatment and management of water contamination dangers.

- System components integrated and shipped ready to put in place, plumbed into water line (source water), and operate.

Specifications:

TWT All-In-One Treatment System  
TWT-MD1004SC (12 GPM)

Factory assembled and mounted on stainless steel frame with mounting brackets and/or holes provided, Size Approx. 40"W X 43"H X 8"D, Weight Approx 85 lbs. ( may vary according to custom design ). Pipe size 1" in/out. All TWT systems are shipped with 120 VAC/60Hz current source. Other current source available upon request. Must specify current source requirements when placing order.

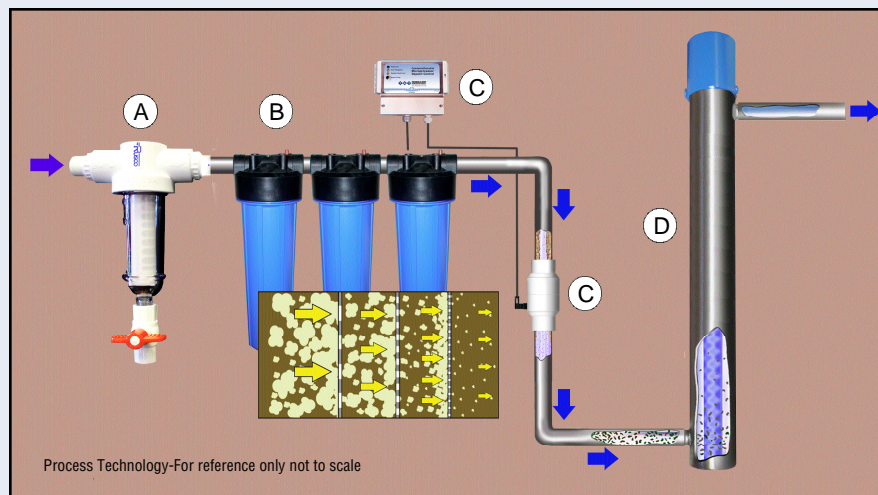
## A. SELF-CLEANING SEDIMENT FILTER

The first step in achieving clean water is a filtration system.

15 micron filter with a built-in manual flush valve to purge built-up sediments in the bottom of the filter. Flow rates up to 12 GPM. Filter will initially clean the water so the replacement sediment and other media cartridges will have a much longer service and life cycle.

## B. THREE (3) 20" BB STAGE 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. TWT® PATENTED DEPOSIT CONTROL TECHNOLOGY

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**).

## D. 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".

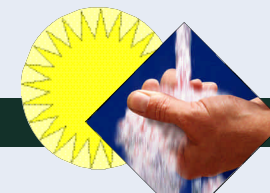
**Triangularwave Technologies, Inc. offers several systems designed to treat and fit your specific needs. These systems improve water quality, save energy, are none chemical, safe and cost effective.**

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.

**Conserve Water, Save Energy...Non-Chemical, Safe, Cost-Effective Treatment System:**

**TWT® The Ultimate in Alternative Energy, Water Treatment & Conditioning**

**The Green Way**



**CHEMICAL-FREE**