

# TRIANGULAR WAVE TECHNOLOGIES, INC.

# FILTRATION

# PRODUCTS & SYSTEMS

Filtration & Deposit Control to Effectively Meet The Need of Any Application



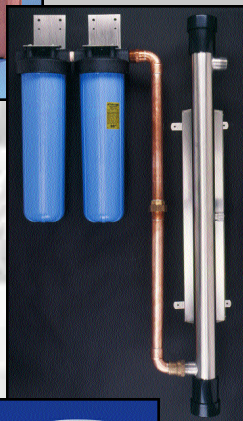
### **Filtration Systems:** Commercial • Industrial • Residential

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. Filtration is the first line of defense for residential, commercial, industrial facilities, where the source of water may be ponds, wells, streams or other water sources that have high exposure to contamination from airborne pollutants, surface run-off, agricultural or industrial waste or similar dangers. The first step in achieving clean water is to install a filtration device that effectively removes particulate matter and similar debris.



Filtration is an important step in water treatment, especially for water intended for human consumption. Filtration systems provide a bacteriostatic environment and are designed to remove, volatile organic chemicals, hydrogen sulfide and sulfur, herbicides, pesticides, chemical fertilizer residues, trihalomethanes and many other pollutants.

The filtration units utilized in TWT systems are comprised of several media that remove harmful chemicals, metals, and toxins from the water as it passes through these layers. The TWT Filter media can utilize a sediment filter, a dual media KDF-55 granular activated carbon filter, extruded carbon activated block filter, Silica, DE, or other filter media upon request. TWT filter system/ media can be configured to trap particles of various micronic sizes.



Regardless of the type of water treatment required, TWT has a filtration media suitable for your needs. Our product line can address a variety of water treatment problems commonly found in ground and well water supplies. Water treatment filtration media are manufactured to solve a broad range of treatment problems:

- |                          |  |
|--------------------------|--|
| • Birm                   | Reduction of iron and manganese                    |
| • MTM                    | Reduction of iron, manganese, and hydrogen sulfide |
| • Manganese Greensand    | Reduction of iron, manganese, and hydrogen sulfide |
| • Pyrolox                | Reduction of iron, manganese, and hydrogen sulfide |
| • Filter Ag              | Sediment filtration                                |
| • Anthracite             | Sediment filtration                                |
| • Filter Sand and Gravel | Sediment filtration and support beds               |
| • Calcite                | pH adjustment                                      |
| • Corosex                | pH adjustment                                      |
| • Corosex 2              | pH adjustment                                      |
| • Garnet                 | Sediment filtration and support beds               |
| • Activated Carbon       | For a variety of absorption applications           |



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can utilize a sediment filter, a dual media KDF-55 granular activated carbon filter, extruded carbon activated block filter, Silica, DE, or other filter media upon request. TWT filter system/media can be configured to trap particles of various micronic sizes. The end result is clean and healthy water that is free of chemicals and organic pollutants.



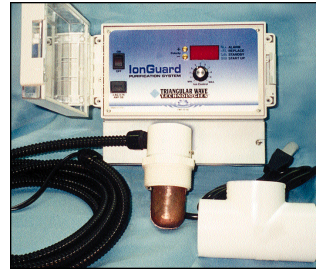
## **Ultra-Violet Disinfection/Purification:**

The UV disinfection technology used in the system to provide safe, potable drinking 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 contaminants with a 99.9% kill rate" The output water is thus disinfected and offers exceptionally high quality for human consumption.



## **IonGuard Purification:**

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. 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 (HVAC & Pool Environments).



## **Ozone Disinfection/Purification:**

The Ozonator is a natural, safe way to purify water in many different applications. Common uses include hot tubs, whirlpool baths, swimming pools, water bottling plants, water vending machines and household water systems. It eliminates the need for chemicals which can be irritating to people and costly to budget. The Ozonator converts Oxygen (O<sub>2</sub>) into (O<sub>3</sub>) by the action of the corona discharge system. Ozone is then injected into the water where it destroys viruses, bacteria and many other micro-organisms. taste, odor and color disappear and iron oxide, hydrogen sulphide, lignite and tannin are precipitated out, leaving your water pure and clean.



## **TWT Patented Deposit Control Technology**

TWT Deposit Control Systems enhance other treatment technologies as well, including chemicals, ozone, ultraviolet, separators and other filtration systems, keeping them clean and enhancing their operation. In this way, their full treatment benefits are realized, with reduced maintenance requirements. Consider using TWT Deposit Control Systems in conjunction with any fluid treatment systems as a complementary technology.

