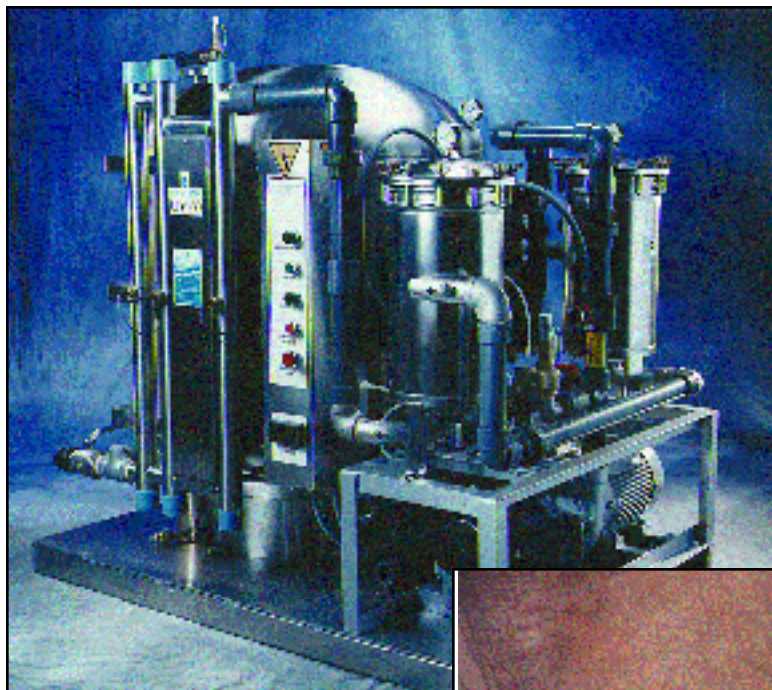


# SAFE DRINKING WATER ANYWHERE...ANY TIME!

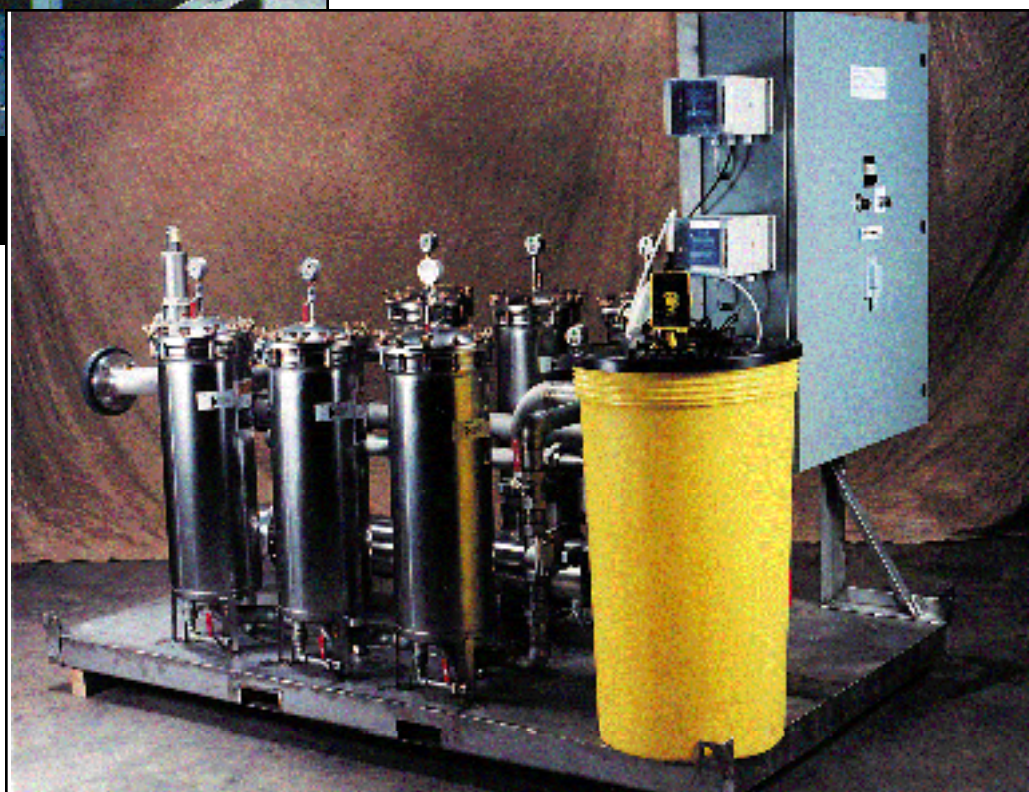


**TWT-UV-60 (60 GPM)  
Treatment System**

## Transportable Water Treatment Systems with Multi-Stage Micro-Filtration, Deposit Control and Ultra-Violet Disinfection

### Custom Upgrades available upon request:

- Systems can be sized to suit virtually any required flow rate
- Designed as turnkey systems to process required GPM of input source water. Output water is of extremely high quality and free from disease-causing pathogens.



**TWT-UV-200 (200 GPM) Treatment System**

Input Water  
Automatic Pre-Filtration  
TWT Deposit Control  
Multi-Media Filtration  
DE Filter (optional)  
Centrifugal Cartridge Finish Filter  
TWT Deposit Control  
UV Disinfection  
Chlorine Residual (optional)  
Output Water  
Storage (not included)  
Covered trailer (optional)  
Recirculating line adapter (optional)

## SAFE DRINKING WATER ANYWHERE...ANY TIME!

Military Camps • Disaster Relief • Nursing Homes • Hospitals • Schools • Refugee Camps  
• Emergency Preparedness • Cholera Epidemics • Remote Construction Projects • Small  
Community Systems • Environmental Clean-Up Sites • Other Commercial & Industrial Applications  
Requiring High-Quality, Safe Drinking Water

## The basic function of each component is as follows:

---

**Automatic Pre-Filter:** a Y strainer design which will separate large particulate matter from the input water stream to approximately 25 microns in size. This pre-filter is critical to the longevity of the down-line filters in this configuration and will allow the down-line filter systems to run much longer between clean-outs. This pre-filter will automatically back-wash as required.

**TWT Deposit Control System No.1:** will condition the raw input water to assist in precipitating suspended solids from the water stream for better filtration. The system will also help prevent scale and bio-film build-up inside the (PWTS) and the down-line filtration housing, leading to longer system life cycle and run times between clean-outs.

### **Multi-Media – DE Filter – Centrifugal**

**Cartridge Finish Filter:** these components provide all of the necessary fine filtration required to provide exceptionally clear water as input to the primary disinfection system on board. The combination of Multi-Media and *optional* DE Filters will remove all particulates from the input water stream while the Finish Filters will guarantee ultra-clear water (to 1 micron) for introduction to the UV disinfection reactor. The filter configuration will automatically back-wash when required and can be manually back-washed if required.

**TWT Deposit Control System No.2:** If left untreated, scale build-up inside the reaction chamber and on the quartz sleeve containing the UV lamps may rapidly diminish the UV disinfection effectiveness by reducing the amount of UV light which is absorbed into the water stream. This second TWT Deposit Control System will further condition the filtered water stream so as to prevent this scale-build-up inside the UV reaction chamber, helping to maintain maximum UV life cycle and penetration into the water stream.

**UV Disinfection Chamber:** the primary 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. The clarity of the input water to the UV chamber is critical to complete disinfection, as cloudy input water may shield some pathogens from the UV rays required for proper processing. The output water is thus disinfected and offers exceptionally high quality for human consumption.

**Optional Chlorine Residual** is available, depending on the plans for storage of the output water produced by the system. Chlorine residual levels are extremely low and are rarely noticeable in the finished water. Bladder storage (*optional*) is available in order to accumulate drinking water to serve a population during times of crisis. The chlorine residual noted above would be helpful in maintainin pathogen-free drinking water while in storage for extended periods of time.

**System recirculating line adapter:** an alternative or addition to chlorine residual, this adapter can be integrated (installed) to attach external storage (not included) to system for re-treatment.

**TWT (PWTS)** transportable potable water treatment systems are ruggedly constructed for exceptional performance and long service life. The systems are fully self-contained and mounted on aluminum skids. Specifications, component list, and skid sizes available with system proposal.

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