



FEATURES AND BENEFITS OF THE
PURESAFE FIRST RESPONSE WATER SYSTEM

SAFE WATER FOR A THIRSTY WORLD™

25 Fairchild Avenue, Suite 250
Plainview, NY 11803
www.puresafewatersystems.com
877 928 7426





FEATURES AND BENEFITS OF THE PURESAFE FIRST RESPONSE WATER SYSTEM

The system has 2 high pressure pumps

- Allows us to process brackish and seawater at high outputs with similar fresh water capability without a system definition change.
- Redundant pump allows for a major component failure and still will produce 30,000 gallons from a fresh water source.

The trailer is all aluminum

- Light weight and durable to the environment
- No worries about rust or corrosion due to the elements.

The system employs 4 types of disinfection. Chlorine injection, Ultra Violet sterilization, micron absolute filtration, and Ozone injection are used to insure biological integrity. Additionally there is a post processing Chlorine injection unit which will leave a residual CL level for filling tankers and/or stationary tanks. This also provides a back up if any other regular systems have a malfunction in the post treatment area.

75Kw Generator w/ 250 gallon double wall fuel tank

- Will provide between 75-90 hours of operating time depending on the type of water being processed. This is longer than the critical 72 hour window defined as first response.
- Over 4000 dealers worldwide who stock parts.
- The generator has between 10-25 KW of additional power available to support other critical emergency response equipment, depending on the water source.

Multi Media sand and Centaur carbon units

- Provides years of service without a bed change.
- Using media tanks eliminates multiple disposable cartridge changes during use.
- Using highly rated media such as Nexsand and Centaur increase operating life. Centaur carbon is popular because of its ability to absorb chloramines or ammonia which standard carbons do not tolerate. Centaur carbon is three times more effective. Nexsand is also 10 times more effective in the buffering process than is regular sand.
- Centaur Carbon has a usable life of three years and Nexsand has a seven year life under constant deployment, compared with one year for carbon and three years for sand in other units.





Patented Filling Table and Bag Form/Fill Unit


- Keeps custody of the water in a closed loop system until it is dispensed.
- Also allows filling virtually any container suitable for potable water including our PureSafe environmentally friendly containers.
- There are also sanitizing stations on the table to rinse containers with ozone prior to use, or to sanitize utensils.
- Additionally there is a bag filling machine which fills inexpensive poly-film ½ liter bags to hand out on site at a rate of 1500 bags per hour.
- Keeping water in the system until it is dispensed allows us to maintain an ozone residual which helps sanitize the container being filled. Conventional systems have a hose at the end, wasting water with no biological control.


Major Manufacturer Components


- Most of the components are readily available and can be found at distributors like Grainger or McMaster Carr, Allied Electronics for easy replacement.
- Many parts have already been cross referenced with Grainger to provide peace of mind about their availability.


 **Disposable Filters.** The System has only two types of filters to keep disposable filter inventory easy. Filter canisters are easy to open to change filters in minutes.

 **Skid Mounted Unit.** Cushioned with shock absorbing mounts, all the components (excl. the generator) are mounted on 1 skid, thus reducing movement and stress on connections during transportation and making the unit easy to remove for repair if the trailer is damaged.

 **Self Monitoring Unit.** The unit has a series of audible alarms and/or shut down controls when the operating conditions exceed the recommended parameters. This includes such conditions as: high and low pressure; chemical absence or presence; and quality of feed and product water etc.

 **Patented Raft-Pump Apparatus.** This makes it easy to deploy and locate the raw water feed pump into the source. Pre-Wired and Pre-Plumbed connections with the hose to the unit make this an easy deployment.

 **Portable Test Kit.** Allows testing conditions on site to insure high quality water during use, as a backup to the System actually monitoring itself.

 **Emergency Response Team.** The PureSafe Water Purification Team of professionals is on call 24/7. Once notified of a deployment the customer is given immediate attention and direct calling numbers to insure the relief effort is a success. Highly trained professionals will be ready to give you support, "We guarantee it."



SAFE WATER FOR A THIRSTY WORLD™

WWW.PURESAFEWATERSYSTEMS.COM