

Portable Water Purification Systems

PuriFire® Systems is a water system solutions provider for a wide array of water demands. Our complete line of systems can be used by first responders, military personnel, off the grid developing markets, and recreational purposes. Our systems utilize the worlds most advanced water treatment technology and are easy-to-use. PuriFire® Systems is a complete provider for your water solution needs: water treatment, distribution and storage. Our technology is scalable and can be tailored around your demands.

PuriFire® Systems Versa Sea Pak

The Versa Sea Pak is a self-contained, all source (salt, brackish and fresh) water purification system. In the event of a disaster, the system can be deployed to help establish a reliable water source. One system can help alleviate the reliance on outside bottled water during uncertain conditions. All connections are color-coordinated and there is an integrated water quality monitor to ensure the product water is safe to consume.

Specifications:

- ▶ Power Source: Solar-powered and battery integrated, 12 or 24 VDC
- ▶ Capacity: 8.5 GPH/200 GPD
- ▶ Weight: 27 kg (60 lbs.)
- ▶ 99.4% rejection rate of salt and impurities
- ▶ Ruggedized for the most difficult and austere situations
- ▶ Optional Service Pak for long term sustainable deployment

Applications:

- ▶ Disaster response
- ▶ Remote military deployment



System deployed in Virginia Beach.

Decentralized Water Treatment System Darley Sunspring® (SS24-H)

The Darley Sunspring® is a portable, self-contained, certified, solar and wind-powered, microbiological water purification system that can treat up to 20,000 liters a day of safe drinking water for up to 10 years. Once installed, the system requires no costly generators, gasoline or diesel fuels. It operates on 100% solar and wind energy. The Darley Sunspring® is the only decentralized solar water plant in the world that is WQA (Water Quality Association) Gold Seal Certified to the US EPA Standard for microbiological water purifiers and validated in part of the GE Healthymagination program. All that is needed to operate the system is access to a fresh water source and direct sunlight. Within 2-4 hours, the system will go from packaged inside an international shipping crate to producing bacteriologically SAFE drinking water. This system is designed to take out particulate, turbidity, bacteria, virus and cysts to make the water bacteriologically safe to drink.

Specifications:

- ▶ Power Source: Solar and wind hybrid
- ▶ Capacity: 208 GPH/5000 GPD
- ▶ Water Quality Association Gold Seal Certified to US EPS Standard for Microbiological Water Purifiers
- ▶ Membrane physically blocks out 99.99% of pathogens from water supply
- ▶ Self-cleaning cycle to maintain membrane
- ▶ Two spring loaded auto-close spigots

Applications:

- ▶ Fire and Emergency services
- ▶ Disaster and emergency preparedness
- ▶ Forward operating bases
- ▶ Mining industry
- ▶ Boil water alerts
- ▶ Hospitals
- ▶ Schools
- ▶ Orphanages
- ▶ Refugee camps
- ▶ Remote villages



Emergency response after an earthquake in Haiti.



WATER PURIFICATION

PuriFire® Systems 5S3P

Easy-to-use emergency deployable water purification systems for high volume fresh water capabilities. The 5S3P is a five stage purification process with high intensity UV system, multimedia carbon filter, and inline strainer.

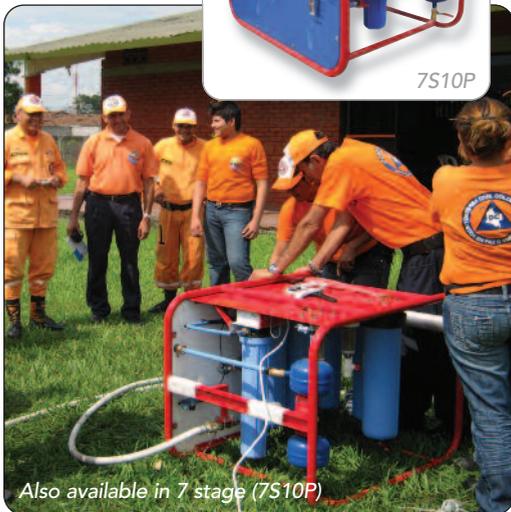


Specifications:

- ▶ Power Source: Rechargeable 12 VDC battery
- ▶ Capacity: 3,600 gallons per day of safe drinking water
- ▶ Dimensions: 711mm (28")L x 533mm (21")W x 457mm (18")H
- ▶ Weight: 68 kg (150 lbs.)
- ▶ Technology is scalable to 12,000 gallons with our 7S10P

Applications:

- ▶ Disaster preparedness
- ▶ Emergency response
- ▶ Refugee camp



Also available in 7 stage (7S10P)

HydraGuard Individual Water Purification System

Ensure Hydration, Whether at Home or Abroad

Inadequate sanitation and contaminated water are two of the leading water problems in the world. The HydraGuard individual water purification system is the ideal, small, portable and easy-to-use water treatment system for use with water from indigenous or back-country sources.



Specifications:

- ▶ Power Source: No power needed
- ▶ Capacity: 850 ml/min flow rate and up to 1,000 L water production
- ▶ Small and durable (43mm (1.7") Diameter x 178mm (7") Length) and only 5 oz.
- ▶ Ultrafiltration technology - Ultrafilter membrane (5 nanometer pore size) instantly removes sediment, bacteria, parasites, viruses and cysts without the aid of foul tasting chemicals like chlorine or iodine
- ▶ HydraGuard can be configured to be used in-line with your hydration pack, via gravity feed, or directly at the source with the straw or universal adaptor
- ▶ Tested to NSF Protocol P248 Emergency Military Operations, Army Test and Evaluation Command and United States Public Health acceptance
- ▶ Easy priming and filter maintenance with integrated membrane integrity test
- ▶ Freeze resistance capabilities

