FREQUENTLY ASKED QUESTIONS

How is Water One mobile water purification equipment different than other equipment being used?

Most mobile drinking water purification units, as well as small, in-place drinking water purification systems rely on ultraviolet light (UV) for reducing bacteria and viruses in contaminated or questionable source water. For UV to be consistently effective, the UV light must fully penetrate all of the water passing through the system. Unfortunately, UV has a number of factors that limit its consistency and effectiveness, including the strength of the bulb at any given time, the clarity of the water being purified, and the flow rate of the system being used.

Typically, UV light is used in commercial drinking water purification as one part of multi-tiered systems that do not rely on UV light alone for purification, quality control, or quality assurance. We are not aware of any studies that have proven the consistent or uniform effectiveness of UV for eliminating bacteria and viruses from surface water.

All Water One personal purifiers and mobile purification units utilize ViroBac™, a proprietary media developed by Water One, that has been proven in numerous independent laboratory tests to kill bacteria and viruses (including cholera) on contact and on-demand more consistently and effectively than UV light. Water One does use UV light as a fail-safe, redundancy along with sub-micron filtration, in its multi-tiered, quality assurance engineered mobile purification systems.

What testing substantiates your claims for ViroBac™?

ViroBac™ and the Pure Sip Personal Purifier have been tested for effectiveness in removing bacteria and viruses from contaminated water for over 20 years, using EPA protocol, by prestigious institutions such as The University of Illinois at Chicago, Loyola University of Chicago (Foster G McGaw Hospital), Brigham Young University, and The US Air Force just to name a few. As a result, Pure Sip was the first purifier to receive EPA approval. A summary of all testing is available upon request.

How much training is required to operate and maintain Water One equipment?

Similar to a very wide drinking straw with a sport cap, The Pure Sip personal purifier is easy and ready to use without instruction. Pure Sip will plug up before the effectiveness of the ViroBac™ is exhausted assuring that each drop of water from the Pure Sip personal purifier is safe to drink.

Water One mobile purification wagons and trailer units have been designed to be simple to operate and easy to maintain. Both the wagons and the trailers can be operational in minutes and are basically ready to use when they arrive. In all units, filters and media can be changed quickly and easily. All of the units have flow meters that provide a clear indication of when media and filter replacement are required.

How will the replacement media and filters be supplied?

Water One will maintain an inventory of ViroBac™ media, filters and spare parts and will work with our customers to establish the logistics and inventory control required, specific to each circumstance, to insure that the units remain operational.

What is the cost for refreshing the units with new media and filters?

Water One mobile purification trailer units arrive equipped to produce 700,000 gallons of purified water before the media and filters need to be replaced. The cost for everything required to produce an additional 700,000 gallons (including a new UV bulb) is less than one penny per gallon. The same amount of bottled water would cost $1.3 million dollars, not including transportation to get the water to the location.

Water One mobile purification wagons arrive equipped to produce 12,000 gallons of purified drinking water along with a spare set of filter and media cartridges (and UV bulb) providing for the production of an additional 12,000 gallons of purified water. The cost for further replacement kits, required for each 12,000 gallons of purified water ($452) works out to $.0376 (less than four cents) per gallon. The equivalent amount of bottled water would cost more than $13,000 (not including transportation).

What are the best applications for Pure Sip?

Pure Sip personal purifiers are perfect for first response to emergencies and disasters such as earthquakes, hurricanes, and tsunamis both in developed countries and emerging regions. Pure Sip personal purifiers provide immediate access to water from almost any source prior to other levels of response being activated. After Hurricane Katrina, with so many victims surrounded by questionable water but none of it suitable to drink, imagine how the first days for survivors would have been different in New Orleans if Pure Sip personal purifiers had been handed out immediately.

More recently, Pure Sip personal purifiers, proven to eliminate cholera from surface water, could have helped to save numerous lives in the rural areas of Haiti. Used by the US Military, Pure Sips are also perfect for campers, hikers and remote recreational activities as well as for adventure travel in countries with questionable water sources.

What about Water One mobile purification units?

Water One mobile purification units have been designed for emergency and disaster response in both developed countries and emerging nations. Mobile, and uniquely effective, and adaptable to almost any water source, our mobile purification units can become an integral part of emergency response preparedness for Federal, state and local governments as well as communities, neighborhoods and individuals.

Water One mobile purification units have also been designed to provide an on-going supply of pristine drinking water for emerging nations in both urban and remote areas with various forms of questionable water supply. Our model TBS-700 can purify surface and brackish water making drinking water available from sources previously not considered.

How does Water One mobile purification equipment compare with other systems and filtration options currently being used in emerging countries?

When properly used and maintained, some of the inexpensive applications being used can provide “improved” water quality and reduce rates diarrheal infection related to water borne illness when compared to drinking contaminated water that has not been treated in any manner. However, many of these systems have not been designed to provide or proven to provide, a consistent supply of bacteria and virus free water. In addition, the performance of many of the systems is dependent upon a number of variables, including seasonal fluctuation in water as well as the consistency and quality of regular maintenance provided by the user that in most instances requires the use of sanitizers such as chlorine or bleach.

Developed by Water One, Inc. during more than forty years of innovative experience in water purification our personal purifiers and mobile purification units have been independently tested and proven to provide a consistent supply of clear, good tasting, bacteria and virus free drinking water from fail-safe engineered systems that use multi-tiers of purification. Very mobile, Water One units can be used cooperatively by a village, or even more than one village for all of their drinking water needs. Unlike many of the systems currently in use that only reduce the pathogens and therefore the incidences of water borne illness, Water One mobile purification units eliminate the pathogens that cause water borne illnesses from every drop of water the units produce without using any chemicals or sanitizers that can also contribute to compromised health.

How can I find out more about Water One?

We invite you to visit our website (www.wateroneinc.com or contact us at:info@wateroneinc.com