



MOUNTAIN SAFETY RESEARCH

MSR MIOX Purifier

A Breakthrough in On-the-Move Water Purification

Product Information



Features & Benefits

Specifications

The MSR MIOX Purifier is the easiest and most reliable method for warfighters to purify water in the field.

Performance:

Meets the U.S. EPA's standard for portable water purifiers. Kills bacteria, viruses, and protozoa.

Developed for Military Applications:

The MSR MIOX Purifier was developed for the U.S. military by the MIOX Corporation and Mountain Safety Research (MSR), with support from the Defense Advanced Research Projects Agency (DARPA). The product is a miniaturization of MIOX's municipal water purification systems, a technology that has been proven to be safe and effective in providing up to 1 billion gallons of water per day to consumers worldwide.

Prototypes of the MSR MIOX Purifier performed flawlessly during Operation Enduring Freedom in Afghanistan and provided safe drinking water to Iraqi citizens during the war in Iraq.

How It Works:

The MSR MIOX Purifier uses electricity to convert salt and water into a powerful disinfectant. Operation is simple. Remove the cap, add a few drops of water, and shake to create a brine solution. Press the button, and the brine is converted into a mixed oxidant solution through electrolysis. Pour this solution into a canteen or hydration system and wait 30 minutes. The result is safe drinking water.

- Ultra-light and compact - 1/4 the weight and 1/7th the size of a hand held filtration pump.
- Easy to use - add water, shake, then press the button.
- Can rapidly treat multiple containers of water at one time, so you don't waste time pumping a filter.
- Variable dosage lets you set the unit to purify anywhere from .5 L to 4L at a time.
- Safety Indicator Strips increase confidence by verifying performance in "worst case water".
- No iodine is used, so there is no iodine taste or health risk.
- Shock and freeze tested to ensure that it can withstand accidental falls and the harshest weather conditions.
- No shelf life – the unit produces a fresh solution for each use.
- Low-maintenance – occasionally replace salt and lithium camera batteries.
- End-of-Life Indicator – Warns you when the batteries are getting low.



Treats over 200 Liters on a set of batteries.

Shock and Freeze Proof.

Submersible to 60'.

Works in extreme environments.

Smaller and lighter than existing commercial products.

[Weight: Pen – 3.5 oz. Complete Kit – 8 oz.]

Kit Includes: MSR MIOX Purifier, Salt, Safety Indicator Strips, Batteries, Instruction Booklet, Quick-Start Guide and Stuff Sack.

For More Information: Contact Kevin Gallagher, Military Affairs Division, (206) 676-6028 kevin.gallagher@cascadedesigns.com

GSA #GS-07F-5451R
NSN #4610-01-513-8498