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HydroBlu Water Filter Systems Designed for Emergency Preparedness and Disaster Use

Hollow Fiber Membrane Technology Ensures Safe Drinking Water, Also Beneficial in Everyday Use

SALT LAKE CITY, UT (May 10, 2022) - Hydroblu, a leader in water filtration technology, offers a range of products for emergency preparedness use that provide clean and safe drinking water in the wake of natural disasters, unrest, or wherever safe drinking water is in short supply. Items geared toward first response groups and preppers range from lightweight filters compatible with standard plastic water bottles to pressurized Jerry Cans, and all products are built to exceed EPA standards. HydroBlu's filters are also versatile enough for everyday use, in the outdoors, as well as in home and urban settings.

Hollow fiber membranes are used to remove particulate and molecules from contaminated water through size exclusion. The thousands of tiny holes (0.1 microns) which make up a hollow fiber tube can block 99.9999% of harmful bacteria, Giardia, E. coli, protozoan cysts, and Cryptosporidium since these organisms are too large to fit through the 0.1-micron holes. Benefits of using hollow fiber include avoiding chemicals to treat drinking water, and easy cleaning since the fibers can be backflushed–which also increases the life of the filter, plus the fibers have an indefinite shelf life.

Hydroblu's two and three-stage filters allow for enhanced water taste and clarity while removing harmful bacteria, chemicals, metals, sediments, viruses, and other contaminants. Several upgrades and attachments are available to combat deadly bacteria and/or viruses–useful when traveling outside North America and in disaster situations. Employing ultrafiltration technology, deadly viruses can be excluded with several compatible filters and accessories. With holes measuring 0.02 microns, five times smaller than the traditional 0.1 microns, dangerous viruses such as Hepatitis A, Polio, Typhoid, and Enteroviruses can be filtered out.

HydroBlu's product line consists of four main systems.

- The *Versa Filter* is a lightweight package geared for adaptability. Compatible with standard 28mm thread plastic water bottles and inline with hydration bladders, the Versa can also be used in a gravity setup, or with a straw directly into the water source. Using a Hollow Fiber Membrane, the Versa is adept at removing bacteria from water sources
- The *Pressurized Jerry Can,* with a capacity of four gallons, is built for large groups and longer storage, useful in emergency situations where potable water is not readily

available and future access is unreliable. Popular accessories include a hollow fiber membrane that can remove viruses utilizing a membrane size of .02 microns.
- The *Clear Flow* combines a water bottle and replaceable filter in one vessel rigorous enough for backcountry use, which can also be used to improve the taste of culinary water and eliminate the waste of disposable plastic bottles.
- Finally, the minimalist *Sidekick* packs a three-stage filter into a straw weighing only a single ounce. This product can remove bacteria, heavy metals, and chemicals, plus features a replaceable end cap. Once the filter has reached its capacity, the replacement cap continuously extends the life of the straw.

Following the belief that everyone should have access to clean water, HydroBlu, as well as sister company MUV1, offer their products directly to consumers. “Planning in advance to protect your family and community is a reality we all need to take seriously in today's day and age,” says Drazana Buckley, CEO of HydroBlu. “Water is key to life, and our products are designed to provide clean and safe drinking water in the event of a natural or human-caused disaster. The foresight to prepare now for a future emergency is a smart investment, especially when the products can also be used in everyday life, including urban, outdoor, and camp settings.”

HydroBlu uses a Blocked Activated Carbon (BAC) technology on several filters that provides several advantages over other carbon filters on the market by combining the high exposure rate of block format and the increased flow rate of granular format. BAC is manufactured by fusing together smaller activated carbon particles to form one large solid filter block. The process to create the intricate maze inside a block of carbon where the filter action happens combines a high flow rate with effective filtration. The end-user can easily filter several gallons of safe drinking water with minimal effort and remove heavy metals, such as iron and lead, chemicals, and pesticides, plus eliminate the unpleasant taste of dirty water.

About HydroBlu:

HydroBlu was founded at the base of the Wasatch Mountains in Salt Lake City, Utah, where we have the perfect proving grounds for water filtration. We are survivalists, preppers, hikers, and backpackers who love being outside. Our goal is simple: we wanted to create a water filter that we would use ourselves which does not break the bank to buy. Products descriptions, tech specs, and direct to consumer orders are available at www.hydroblu.com

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