The MAST Customized Sport Berkey™ Portable Water Filter

The MAST customized Sport Berkey™ Portable Water Filter is the ideal personal protection traveling companion — featuring the IONIC ADSORPTION MICRO FILTRATION SYSTEM. The theory behind this innovation is simple. The bottle's filter is designed to remove and/or dramatically reduce a vast array of health-threatening contaminants from questionable sources of water, including remote lakes and streams, stagnant ponds and water supplies in foreign countries where regulations may be sub standard, at best. The custom lid was field tested in central Asia in 2013 by MAST personnel.

The Sport Berkey™ Portable Water Filter Utilizes IONIC ADSORPTION MICRO FILTRATION

This advanced technology was developed, refined, and proven through diligent, investigative research and testing performed by water purification specialists, researchers and engineers. The media within the filter element removes contaminants by a surface phenomenon known as "adsorption" which results from the molecular attraction of substances to the surface of the media. As the bottle is pressed, the source water is forced through the filter. The quality and volume of media used, determine the rate of adsorption. The flow rate or time of exposure through the filter has been calculated to yield the greatest volume removal of toxic chemicals caused by pollution from industry and agriculture. This exclusive filter also incorporates proprietary absorbing media that are impregnated into the micro-porous filter for the IONIC absorption of pollutants into the filter such as aluminum, cadmium, chromium, copper, lead, mercury, and other dangerous heavy metals.

The "Tortuous Path" structure of these pores gives it its unique characteristics. The Sport Berkey™ Portable Water Filter offers a convenient and portable filtration system using medical grade technology.

The Sport Berkey™ Portable Water Filter eliminates or reduces:

- **Harmful microscopic pathogens.**
- **Toxic chemicals.**
- **Trihalomethanes.**
- **Volatile Organic Compounds.**
- **Toxic chemicals.**
- **Detergents.**
- **Pesticides.**
- **Heavy metals.**
- **Unpleasant taste and odors, cloudiness, silt, sediment and chlorine.**

For a complete listing, see back side of this instruction sheet.

Care and Use

Fill the **Sport Berkey™** Portable Water Filter with water, screw on cap and tighten securely to eliminate leaks. Flush water through filter by pulling down lever, so that straw is exposed, and squeeze water through filter & out the straw. Repeat this flushing process twice before drinking. This removes excess process dust from the filter. After 2 flushes, rinse the bottle & cap. Your filter bottle is now ready for use. **NOTE: Do not store filled bottle on its side or upside down as air release valve in cap can leak water.** Enjoy!

SPORT/GSPRT Brochure 08-13

Maintenance and Storage

The **Sport Berkey™** Portable Water Filter has a shelf life of 50 years. When the filter system will not be used for an extended period, remove filter and flush the unit with either a chlorinated solution of 1/4 tsp. per one half gallon of water, or a 50/50 mix of 3% Hydrogen Peroxide and water. Rinse. Allow parts to dry thoroughly with cap removed. Re-assemble and seal in an air tight container if possible. Do not allow filter to freeze, do not place in microwave oven and do not run hot water through the filter. *Note: All contaminants that this filter has the ability to remove or reduce may not necessarily be in the user's water supply.*

REFILL CAPACITY
Water from any Source: 160
Municipal Water: 640

This water filtration product has been tested by State & EPA accredited laboratories to exceed in the EPA Protocol for Microbiological Filters and ANSI/NSF Standard 53, adapted for sport bottles.

The Generic/Non-Labeled Sport Berkey™ Portable Water Filter is identical in function to the Sport Berkey™ Portable Water Filter. It is primarily used for individuals, missionaries and relief organizations that would prefer to economize. It can also be custom labeled for specific organizations or events.

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NEW MILLENNIUM CONCEPTS

1,1,1,2-Tetrachloroethane	>99.8%	1,1,1-Trichloroethane (TCA)	>99.8%
1,1,2,2-Tetrachloroethane	>99.8%	1,1,2-Trichloroethane	>99.8%
1,1,2-Trichlorotrifluoroethane	>96%	1,1-Dichloroethane (1,1-DCA)	>99.8%
1,1-Dichloroethylene (1,1-DCE)	>99.8%	1,1-Dichloropropene	>99.8%
1,2,3-Trichlorobenzene	>99.8%	1,2,3-Trichloropropane	>99.8%
1,2,4-Trichlorobenzene	>99.8%	1,2,4-Trimethylbenzene	>99.8%
1,2-Dichlorobenzene	>99.8%	1,2-Dichloroethane	>99.8%
1,2-Dichloropropane	>99.8%	1,3,5-Trimethylbenzene	>99.8%
1,3-Dichlorobenzene	>99.8%	1,3-Dichloropropane	>99.8%
1,3-Dichloropropene (Total)	>99.8%	1,4-Dichlorobenzene	>99.8%
2,2-Dichloropropane	>99.8%	2,4,5-TP (Silvex)	>60%
2,4-D	>90%	2-Chlorotoluene	>99.8%
4-Chlorotoluene	>99.8%	Acifluorfen	>80%
Alachlor	>98%	Aldrin	96.8%
Aluminum	>75%	Antimony	>97.5%
Arsenic	76.5%	Atrazine	>99%
Barium	34.0%	Benzene	>99.8%
Bromoacetic Acid	>99%	Bromobenzene	>99.8%
Bromochloromethane	>99.8%	Bromodichloromethane	>99.8%
Bromoform	>99.8%	Cadmium	68.8%
Carbofuran	>95%	Carbon Tetrachloride	>99.8%
Chloroacetic Acid	>98%	Chlorobenzene	>99.8%
Chloroform	>99.8%	Chromium	85.0%
cis-1,2-Dichloroethylene	>99.8%	cis-1,3-Dichloropropene	>99.8%
Cobalt	58.3%	Copper	>95%
Dalapon	>90%	Dibromoacetic Acid	>99%
Dibromochloropropane (DBCP)	99.9%	Dibromomethane	>99.8%
Dicamba	>80%	Dichloroacetic Acid	>99%
Methylene Chloride	>99.8%	Dieldrin	99.3%
Dinoseb	>80%	Endrin	99.4%
Ethylbenzene	>99.8%	Ethylene Dibromide (EDB)	99.9%
Fr Coliphage	Log 1.60	Glyphosate	>75%
Halo acidic Acids (HAA5)-Total	>99%	Heptachlor	98.2%
Heptachlor Epoxide	99.6%	Hexachlorobenzene	>99%
Hexachlorobutadiene (ccc)	>99.8%	Hexachlorocyclopentadiene	>98%
Hex. Chromium (Chromium 6)	>99.9%	Isopropylbenzene (Cumene)	>99.8%
Lead	>97.5%	Lindane (Gamma-BHC)	>99.6%
MBAS	>96.7%	Mercury	>98%
Methoxychlor	>80%	Methyl tert-Butyl Ether	>99.8%
Molinate	>96%	Molybdenum	>90%
m-Xylenes	>99.8%	mp-Xylene	>99.8%
MS2 Coliphage	Log 1.75	Naphthalene	>99.8%
n-Butylbenzene	>99.8%	Nickel	59.2%
Nitrite	>95%	n-Propylbenzene	>99.8%
Oxamyl	>95%	o-Xylene	>99.8%
Pentachlorophenol	>80%	Picloram	>90%
p-Isopropyltoluene	>99.8%	p-Xylenes	>99.8%
Raoultella terrigena	>Log 5.7	sec-Butylbenzene	>99.8%
Selenium	88.2%	Simazine	>98%
Styrene	>99.8%	tert-Butylbenzene	>99.8%
Tetrachloroethylene (PCE)	>99.8%	Thallium	98.3%
Thiobencarb	>98%	Toluene	>99.8%
Total Chlorine	>87.5%	Total Trihalomethanes	>99.8%
Total Xylenes (m, p & o)	>99.8%	trans-1,2-Dichloroethylene	>99.8%
trans-1,3-Dichloropropylene	>99.8%	Trichloroacetic Acid	>99%
Trichloroethene (TCE)	>99.8%	Turbidity	>97.8%
Vanadium	>87.5%		