



Unfortunately, securing your access to good tasting, sparkling and wholesome drinking water can be harder than you might expect. Drinking water may contain lead, high levels of harmful bacteria, herbicides, pesticides and other unwanted chemicals. Frequently these produce unpleasant tastes and odors. Even bottled water can contain these same contaminants, and moreover it is inconvenient and expensive. Other filtration systems are inferior. Most do not remove, or even reduce, pathogenic bacteria, harmful chemicals and minerals and many remove the beneficial minerals that your body needs.

Black Berkey® Purification Elements are more powerful than any other gravity filter element currently available. In fact, we tested the **Black Berkey®** purification elements with more than 10,000 times the concentration of pathogens per liter than is required by standard test protocol. This concentration of pathogens is so great that the post filtered water should be expected to contain 100,000 or more pathogens per liter (*99.99% reduction - the requirement for pathogenic removal*). Incredibly the elements removed 100%. Absolutely no pathogens were cultured from the effluent or were able to be detected even under an electron microscope, setting a new standard in water purification.

The powerful **Black Berkey®** purification elements also remove or reduce pathogenic cysts, parasites, harmful or unwanted chemicals such as herbicides and pesticides, VOCs, detergents, organic solvents, trihalomethanes, cloudiness, silt, sediment, nitrates, nitrites, heavy metals, foul tastes and odors, yet they leave in the healthful and beneficial minerals that your body needs and...

Existing gravity filters can be upgraded. **Black Berkey®** purification elements fit most gravity filter systems, vastly improving their ability to remove contaminants.



Black Berkey® purification elements combine the age-old process of micro-porous filtration coupled with modern state-of-the-art technology and the highest quality materials to bring you the finest water purification elements available anywhere. The micro-pores within the self-sterilizing and re-cleanable **Black Berkey®** purification elements are so small that pathogenic bacteria are simply not able to pass through them. The elements incorporate proprietary “adsorption” media, which results from the molecular attraction of substances to the surface of the media. **Black Berkey®** purification elements also incorporate proprietary “absorbing” media that promote IONIC “absorption” of pollutants within the micro-porous elements.

Black Berkey® purification elements incorporate an extremely long “contact period”. Other filtration systems rely on water pressure to force water molecules through the filter elements at 60-90 PSI. These water molecules come into contact with the filter media for a mere fraction of a second. By comparison water molecules, passing through the “Tortuous Path” structure of the **Black Berkey®** purification elements, are drawn gently by gravity and stay in contact with the media for a long period of time. This allows the filter media to be more efficient in capturing contaminants. For example, if you were to hurl 100 steel ball bearings at a large magnet, some would stick but most would bounce off. However, if you were to walk over and gently place the ball bearings on the magnet most, if not all, would adhere to the magnet. **Black Berkey®** purification elements fully utilize this principle.

This advanced technology was developed, refined, and proven through years of diligent, investigative research and testing performed by water purification specialists, researchers and engineers. The flow rate or time of exposure through the exclusive **Black Berkey®** purification elements has been calculated to yield the greatest volume removal of toxic chemicals and pathogenic bacteria found in nature and caused by pollution from industry and agriculture.

<u>PATHOGENIC BACTERIA CYSTS AND PARASITES</u>	
removal to non-detectable levels:	
E. coli – Klebsiella – Pseudomonas Aeruginosa – Giardia – Cryptosporidium	
<u>TRIHALOMETHANES</u> removed to below detectable limits:	
Health effects: muscle & nervous system disorders, cancer Bromodichloromethane – Bromoform – Chloroform – Dibromochloromethane	
<u>RADIOLOGICALS</u> removed to below detectable limits:	
Radon 222	
<u>INORGANIC MINERALS</u> removed to below detectable limits:	
<u>CONTAMINANT</u> Chlorine Residual	<u>HEALTH EFFECTS</u> cancer, birth defects
<u>VOLATILE ORGANIC COMPOUNDS (VOC's)</u> removed to below detectable limits:	
Alachlor, Atrazine, Benzene, Carbofuran, Carbon Tetrachloride, Chlorine, Chlorobenzene, Chloroform, 2,4-D, DBCP, p-Dichlorobenzene, o-Dichlorobenzene, 1, 1-Dichloroethane, 1, 2-Dichloroethane, 1, 1-Dichloroethylene, cis-1, 2-Dichloroethylene, Trans-1,2-Dichloroethylene, 1, 2-Dichloropropane, cis-1,3-Dichloropropylene, Dinoseb, Endrin, Ethylbenzene, Ethylene Dibromide (EDB), Heptachlor, Heptachlor Epoxide, Hexachlorobutadiene, Hexachlorocyclopentadiene, Lindane, Methoxychlor, MTBE, Pentachlorophenol, Simazine, Styrene, 1,1,2,2-Tetrachloroethane, Tetrachloroethylene, Toluene, 2,4,5-TP (Silvex), 1,2,4-trichlorobenzene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, Trichloroethylene, o-Xylene, m-Xylene, p-Xylene.	
<u>HEAVY METALS</u> reduced by up to 95%:	
<u>CONTAMINANT</u> Lead Mercury Aluminum Cadmium Chromium Copper	<u>HEALTH EFFECTS</u> kidney, nervous system damage kidney, nervous system disorders respiratory, nervous system disorders kidney damage liver, kidney, circulatory system disorders gastro-enteric diseases
<u>ALSO REMOVES OR REDUCES:</u> Nitrates, Nitrites, Rust, Silt and Sediment	

No need for expensive disposable filters. **Black Berkey®** purification elements are re-cleanable. When the flow rate decreases simply brush the **Black Berkey®** purification elements with a ScotchBrite® pad under running water, reinstall and your system is again ready to purify water. Each durable and efficient purification element will last for up to 3,000 gallons (6,000 gallons per set of two) and provide years of efficient water purification. What's more, the unique **Black Berkey®** purification elements are self-sterilizing.

The **Black Berkey®** purification element formulation has been tested by State & EPA accredited laboratories to exceed EPA & ANSI/NSF (Std. 53) protocol. Tested by the University of Arizona, Spectrum Labs, the Department of Toxicology and Environmental Science, Louisiana State University.