

# Berkey® Stainless Steel Water Purifiers

Now you can enjoy virtually the Most Delicious, Freshest, Healthiest drinking water possible for pennies a day...

**Berkey®** Natural Gravity Purification Systems are the ultimate in water purification and the ideal personal protection and traveling companions. Used worldwide for normal, hostile and emergency environments to provide the purest, sparkling clean water possible...

For generations, health-conscious people around the world have recognized that the foundation to a healthy life and healthy body is clean, fresh drinking water. This important essential element is the basis for enjoying your longest, healthiest life. No amount of vitamins or supplements can substitute for the vital life-sustaining properties found in nourishing, healthful drinking water.

It is truly the foundation of life. Unfortunately, securing your access to good-tasting, sparkling, wholesome drinking water can be harder than you might expect. Water is often laced with chlorine, lead, high levels of harmful bacteria and other unwanted chemicals and contaminants. Frequently these produce unpleasant tastes and odors. Even bottled water can contain these same contaminants,



and moreover it is very expensive. Other filtration systems are inferior. Most do not remove pathogenic bacteria and many remove the beneficial minerals that your body needs.

**The revolutionary Black Berkey® self-sterilizing and re-cleanable purification elements purify water by removing pathogenic bacteria, cysts and parasites entirely and by extracting harmful chemicals such as herbicides, pesticides, VOCs, organic solvents, radon 222 and trihalomethanes. They also reduce nitrates, nitrites and unhealthy minerals such as lead and mercury without removing the healthful and nutritional minerals that your body needs.**

Moreover, **Berkey®** systems have the capability of purifying both treated water and untreated raw water from such sources as remote lakes, streams, stagnant ponds and water supplies in foreign countries, where regulations may be substandard at best. Perfect for everyday use and a must in hostile environments where electricity, water pressure or treated water may not be available.

Perhaps that's why **Berkey®** systems have long been recognized as the world's ultimate in water purification. This simple, highly effective method of using gravity was developed almost 200 years ago... yet it still produces some of the finest, most healthful drinking water available.

**Berkey® Systems are the World's Most Powerful and Economical Personal Water Purification Systems Providing Reliable and User-friendly Water Purification in Both Normal and Hostile Filtration Environments.**

To use, water is poured into the upper chamber. Gravity draws the water through the exclusive **Black Berkey®** purification elements. Contaminates are captured on and within the micro-porous purification elements and are separated from the water. The purified water then collects in the lower chamber where it can be drawn through the spigot.

What's more, the **Black Berkey®** purification elements are re-cleanable and can be used over and over again.

## Easy Setup and Installation

**Berkey®** systems set up in minutes. Simply screw in the purification elements, attach the spigot and you are ready to purify water!



**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 the 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 these elements removed 100%. Absolutely no pathogens were able to be cultured from the effluent nor could any be detected using 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.

The **Black Berkey®** filter formulation has been tested by State & EPA accredited laboratories to exceed EPA & ANSI/NSF (Std. 53) protocol.

**PATHOGENIC BACTERIA CYSTS AND PARASITES** removed to non-detectable levels:  
E. coli – Klebsiella - Pseudomonas aeruginosa – Giardia – Cryptosporidium

**TRihalomethanes** removed to below detectable limits:  
Health effects: muscle & nervous system disorders, cancer  
Bromodichloromethane – Bromoform – Chloroform – Dibromochloromethane

**RADIOLOGICALS** removed to below detectable limits:  
Radon 222

**INORGANIC MINERALS** removed to below detectable limits:

<u>CONTAMINANT</u>	<u>HEALTH EFFECTS</u>
Chlorine Residual	cancer, birth defects

**VOLATILE ORGANIC COMPOUNDS (VOC's)** 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, Hexachlorobutodiene, 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.

**HEAVY METALS** reduced by up to 95%:

<u>CONTAMINANT</u>	<u>HEALTH EFFECTS</u>
Lead	kidney, nervous system damage
Mercury	kidney, nervous system disorders
Aluminum	respiratory, nervous system disorders
Cadmium	kidney damage
Chromium	liver, kidney, circulatory system disorders
Copper	gastro-enteric diseases

**ALSO REMOVES OR REDUCES:**  
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.

Moreover, because **Black Berkey®** purification elements fit most gravity filtration models, they can be used to upgrade existing systems and will vastly improve their ability to remove harmful and unwanted contaminants.

# The Berkey® Secret

Have you ever wondered how **Berkey®** purification systems remove pathogenic bacteria, cysts and parasites while extracting chemicals including herbicides, pesticides, organic solvents, VOCs, detergents, cloudiness, silt, sediment, foul tastes and odors? Or how **Berkey®** systems are able to reduce heavy metals such as cadmium, chromium, copper, lead, mercury, aluminum and other dangerous heavy metals, as well as nitrates and nitrites without removing the healthful and beneficial minerals that your body needs?

**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 time, allowing the 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.



- **\*Test Results:** Pathogenic bacteria are removed to non-detectable levels.
- **\* Test Results:** Parasites and cysts are removed to non-detectable levels.
- **\* Test Results:** Chemicals are removed to below detectable limits.
- **\* Test Results:** Radon 222 removed to below detectable limits.
- **\* Test Results:** Heavy metals reduced by up to 95%.
- Re-cleanable and self-sterilizing purification elements.

*\* See charts for specific contaminants.*

**Berkey®** water purifiers really are the World's Ultimate Water Purification Systems. Now you can make a **Berkey®** system the foundation of your healthy lifestyle.

**Black Berkey®** purification elements are so powerful they are able to remove food coloring from water without removing the beneficial minerals your body needs. Virtually no other filtration element can duplicate this performance.

**Berkey®** water purifiers have become the standard of excellence by which all other water filtration systems are measured. You deserve the freshest, cleanest water possible from the world's most superior water purification systems.

Description	Capacity	Purification Speed***	Dimensions HX x Diameter
<b>Travel Berkey®</b> * (2 Filters- <i>expandable to 4</i> )	~1.5 gallons	~2.75 GPH	18" x 7.5"
<b>Big Berkey®</b> ** (2 Filters- <i>expandable to 4</i> )	~2.25 gallons	~3.5 to 7 GPH	19.25" x 8.5"
<b>Royal Berkey®</b> ** (2 Filters- <i>expandable to 4</i> )	~3.25 gallons	~4 to 8 GPH	23" x 9.5"
<b>Imperial Berkey®</b> ** (2 Filters- <i>expandable to 6</i> )	~4.5 gallons	~5 to 15 GPH	25.75" x 10"
<b>Crown Berkey®</b> ** (2 Filters- <i>expandable to 8</i> )	~6 gallons	~6 to 24 GPH	30" x 11"
<b>Black Berkey®</b> Purification Elements (set of two)			8.5"H x 2.25"D

\*\*\* Lower GPH (Gallons Per Hour) flow rate based on systems being configured with two purification elements. Higher GPH flow rates based on systems being expanded to maximum number of purification elements. Flow rates calculated with upper chamber full to top. Flow rate decreases as water level declines.

### Purification Elements

