

Berkey Water Filtration

Shipped directly from Distributor – Use shipping rates listed on these pages!

Attention residents of California and Iowa

NONE of these Products are available in Iowa and ONLY designated models in California

It is important to note that California has other regulations that may affect some of our products. Until we have conducted a full review of those regulations, only sales of the following systems and products are now available to you in state of California:

[Sport Berkey™](#).

[Go Berkey™ Kit](#).

[Travel Berkey™](#).

[Berkey Light™ 2 element systems \(With or without LED lights\)](#).

[Black Berkey™ Purification Elements](#).

[SuperSterasyl™ Elements](#).

[PF-2™ Post Filter elements](#).

[PF-4™ Post Filter elements](#).

Replacement parts.

Berkey™ Water Filtration Systems are the ultimate in water filtration used worldwide for normal or hostile filtration environments to provide the most delicious, sparkling clean water possible...

Big Berkey™ The Ultimate Water Filter, is designed for everyday use and is ideal in situations where a reliable supply of treated drinking water becomes unavailable. This elegant system is constructed of high grade, polished stainless steel, making it hygienic, durable and easy to clean. The upper chamber of the two piece housing is filled with water which gravity feeds through the ceramic filters into the lower chamber. Each set of four (4) elements will remove harmful pathogenic bacteria such as E-coli, Cholera Salmonella Typhi, Giardia, and Cryptosporidium. Filters capable of removing and reducing unwanted chemicals such as Chlorine, lead, rust, sediment, pesticides, herbicides, organic solvents, VOC's, SOC's, Trihalomethanes and foul tastes and odors. The durable and efficient "Super Sterasyl™" filtration elements can be cleaned and re-cleaned (up to 100 times or more) as needed with a soft brush or Scotch-Brite pad.

We believe this is an incredible value considering the **Big Berkey™** is the same price as its European-made competitors, but the **Big Berkey™** filters twice as much water per hour, filters bacteria and particulates more effectively, and the **Big Berkey™** replacement filters are nearly half the cost of the European filter systems. **NOT available in California or Iowa**

Berkey Light™ what makes the **Berkey Light™** system so revolutionary is that it removes pathogenic bacteria, cysts and parasites to non-detectable levels, removes harmful or unwanted chemicals to below detectable levels, and reduces nitrates, nitrites and unhealthy minerals such as lead and mercury without removing the healthful and nutritional minerals that your body needs. The **Berkey Light™** is so powerful it can be used to filter non-potable or unhealthy water in situations where electricity and water pressure are not available. For normal everyday situations or for hostile filtration environments, The **Berkey Light™** is the most flexible and adaptable water filter available. The **Berkey Light™** provides reliable, user friendly, powerful and economical water filtration. It enhances the ambience of any environment with its optional LED lamps and lower chamber echo chamber creating the delightful and relaxing sound of falling rain drops. ***This model NOT available in Iowa.***

800-544-8927

Radio Liberty

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[SuperSterasyl™ Elements.](#)

[PF-2™ Post Filter elements.](#)

[PF-4™ Post Filter elements.](#)

Replacement parts.

Shipping \$20.00 per item on this page!

Water Purifier/Filter Systems:

With purchase of a System you will receive your choice of one Audio CDSet or DVD free! (DVD \$19.95 or less, CDSet \$24.95 or less).

Travel Berkey 1.5 Gal. Water Purifier with 2 Black Berkey Elem. (BRKT2X2) \$228.00 *Now avail. In Calif.*

Big Berkey 2.25 Gal. Water Purifier with 2 Black Berkey Elem. (BRKBB02) \$258.00

Big Berkey 2.25 Gal. Water Purifier with 4 Black Berkey Elem. (BRKBB03) \$358.00

Big Berkey 2.25 Gal. Water Filter System with 4 Ceramic Filters (BRKBB01) \$359.00

Berkey Light 2.75 Gal Water Purifier with 2 Black Berkey Elements and 8 lamp LED light base
please specify blue or white light base (BRKBL01) \$322.00 *Now avail. In Calif.*

Berkey Light 2.75 Gal. Water Purifier with 2 Black Berkey Elements (BRKBL02) \$231.00 *Now avail. In Calif.*

Berkey Light 2.75 Gal. Water Purifier with 4 Black Berkey Elements (BRKBL04) \$331.00 *Now avail. In Calif.*

Crown Berkey 6.0 Gal. with 2 Black Berkey Elements (BRKCB02) \$325.00

Crown Berkey 6.0 Gal. with 4 Black Berkey Elements (BRKCB03) \$425.00

Imperial Berkey 4.5 Gal. with 2 Black Berkey Elements (BRKIB02) \$310.00

Imperial Berkey 4.5 Gal. with 4 Black Berkey Elements (BRKIB03) \$410.00

Standard British Berkefeld with two 7" Ceramic Filters (BRKSBB02) \$252.00

Standard British Berkefeld with four 7" Ceramic Filters (BRKSBB01) \$337.00

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Sport Berkey™ .
Go Berkey™ Kit.
Travel Berkey™ .
Berkey Light™ 2 element systems (With or without LED lights).
Black Berkey™ Purification Elements.
SuperSterasyl™ Elements.
PF-2™ Post Filter elements.
PF-4™ Post Filter elements.
Replacement parts.

Berkey Individual Items:

Other Parts and Filters + \$10.00 each item for shipping via UPS:

Berkey Sport 22oz Water Purification bottle (**BRKBSB01**) **\$37.00** *Now avail. In Calif.*
10,000 Gallon KDF Shower Filter with shower head (**BRKSF01**) **\$80.00** *avail. In Calif.*
10,000 Gallon KDF Shower Filter (**BKRSF02**) **\$64.00** *avail. In Calif.*
Black Berkey Replacement Elements 2 pack (**BRKBLRE01**) **\$107.00** *Now avail. In Calif.*
Auxiliary Battery Adapter For 4 AA Batteries (**BRKABA01**) **\$10.00**
PF-4 Post Filter-Super Sterasyl Filters: MTBE, Fluoride, Lead, Arsenic (use with **Ceramic** filters)
(**BRKPF01**) **\$112.00 for 4** *Now avail. In Calif.*
PF-2 Post Filter- Arsenic and Fluoride reduction elements (use with **Black Berkey** elements)
(**BRKPF02**) **\$61.00 for 2** *Now avail. In Calif.*
9" Ceramic Replacement Filter ea (**BRK9SRF01**) **\$50.00**
7" Ceramic Replacement Filter ea (**BRK7SRE01**) **\$42.00**

All Replacement Parts are now available in California

Replacement Parts kit for Big Berkey/Standard British Berkefeld ea (**BRKRPK01**) **\$30.00**
Replacement Kit for stainless Berkey systems utilizing Black Berkey Elements (**BRKRPK02**) **\$30.00**
Replacement Parts kit for Berkey Light systems (**BRKRKBL**) **\$22.00**
Potassium Iodate 85mg 90 ea/bottle (**BRKPI01**) **\$17.00**

800-544-8927

Radio Liberty

1) Why are our ceramic elements unique?

- A) Our ceramic filters have been in continual use since 1827.
- B) Silver impregnated: Inhibits Mitosis or Bacterial Grow-Through.
- C) Particulate reduction: .2 Nominal
@ .2 Microns 98%, @ .3 Microns >99.7%
@ .5 Microns >99.9% (Spectrum Labs)
- D) Removes >99.99% of Cryptosporidium, Giardia, E. coli, Vibro Cholerae, Salmonella, Dysentaria.
- E) Toxicological extraction is commonly the most difficult area of the NSF testing standards to satisfy. This shows that the filter does not re-contaminate the water. Many other ceramics have not passed and may not be capable of passing the NSF material extraction test. The Ceramic shell of our Super Sterasyl™ element is an NSF Listed Component and is manufactured to meet NSF standard 42 for materials.
- F) Carbon Core: Reduces bad tastes and odors as well as pesticides, herbicides, organic solvents and trihalomethanes.
- G) Ceramic elements may be cleaned many times to prolong the life of the filtration elements.
- H) No other ceramic manufacturer may claim all of the above.

2) When and how do I clean the ceramic filter elements?

If the time it takes for the water to filter into the lower chamber substantially decreases, simply hold the ceramic element under clean running water while scrubbing lightly with a ScotchBrite® pad or toothbrush. Cleaning should be performed evenly by working from the threaded mount down.

3) What else should I do to maintain the system properly?

- a) Wash lower chamber once per month with soapy dishwater.
- b) In areas with hard water, calcium scale may build up on spigot and chambers after prolonged use. To remove, soak affected part(s) in vinegar or a 50-50% mix of vinegar and water for about 15 minutes. Wipe away calcium scale with a ScotchBrite® pad or soft brush then wash with soapy dishwater and rinse.

4) What happens when the carbon becomes exhausted?

The carbon will be unable to reduce chemicals, foul tastes and odors in the source water. Notes: a) When the carbon is exhausted, the ceramic shell will continue to remove pathogenic bacteria and turbidity.

5) How do I determine when the filter element must be replaced?

Replace the elements when the carbon has been exhausted or if there is a significant change in diameter of the ceramic after cleaning. Anytime a crack in the ceramic occurs, the integrity has been lost and the filter must be replaced.

6) Does the system remove beneficial minerals?

No.

7) How durable are the systems?

The exterior chambers are made of high-grade polished stainless steel making them rugged enough to handle camping trips and college dorms yet elegant enough to complement your finest décor (The LP system is made of food grade polypropylene).

8) Historically, who has used these filtration systems?

- A) The Royal household in England.
- B) Populations in over 140 countries worldwide.
- C) Relief Organizations such as UNICEF, the Peace Corps, Missionary organizations and Red Cross Societies Internationally.
- D) Hunters, campers, adventurers and explorers.

9) How do I determine which Berkey® system is right for my needs?

The most popular small family model is the Big Berkey® system. The most popular medium to large family model is the Royal Berkey® system. The Imperial Berkey® model is designed for small to medium sized groups and the Crown Berkey® model is more useful for medium to large groups and can service from 75 up to 150 people per day.

10) What are the limitations found in other types of water filtration systems?

Carbon Block, paper and certain resin based filters: Most commonly used, filters are not re-cleanable, there is no feedback mechanism for filter replacement and most do not remove pathogenic bacteria. Most popular systems provide only 40-700 gallons (150-2,660 liters) before the filter must be replaced.

Distillation: Removes beneficial minerals from water, does not remove VOCs (chemicals found in herbicides, pesticides and fertilizers).

Reverse Osmosis: Removes beneficial minerals from water, does not remove pathogenic bacteria, filter is not re-cleanable, there is no feedback mechanism for filter replacement and reservoir tank can become a breeding ground for bacteria.

The Above Systems: Virtually all of the above systems become useless during emergencies when power and or water pressure is lost.

Bottled Water: Tap water is considered an acceptable source; many bottled waters contain high levels of bacteria and the industry is virtually unregulated.

NOT Available in California or Iowa

PF-2 and PF-4 FAQ'S

Do your filter elements reduce fluoride in the water?

No, in order to reduce fluoride in your water you will need to use post filters that work in conjunction with the filters in your system. We have two types, PF-2's, which are used in conjunction with the Black Berkey® purification elements, and the PF-4 filters that are used in conjunction with our ceramic filters.

I noticed that the PF-4 elements also remove MTBE and heavy metals. Should I use these with my Black Berkey® purification elements?

No, the PF2's are used in conjunction with the Black Berkey® purification elements and the PF-4 elements are used in conjunction with the ceramic filters. The Black Berkey® elements remove MTBE and reduce heavy metals whereas the ceramic filters do not therefore; we incorporated MTBE and heavy metals reduction capabilities into the PF-4 elements.

What is the life of the PF-4 filters?

Each set of four PF-4 filters is will last for 1,000 gallons or six months whichever comes first. The reason for the six-month limitation is that the carbon within the PF-4 filters extracts contaminants that can be nutrients on which bacteria can grow. If the filters are used longer than six months “grow-through” can occur.

What is the life of the PF-2 filters?

Each set of two PF-2 filters is will last for 1,000 gallons. Since these elements contain pure fluoride and arsenic reduction media and no carbon, there is no six-month limitation rule as is the case with the PF-4 elements.

How do I know when 1,000 gallons has been filtered and when its time to replace the elements?

The best way to gauge when to replace the filters is to do the following:

- 1) Keep a track of how many times per week you need to refill your system.
- 2) Then multiply that figure times the capacity in gallons of your particular system (for example the Berkey light™ system is 2.75 gallons) to determine Total Gallons Used Per Week.
- 3) Finally divide the Total Gallons Used Per Week into the 1000 gallons and that will tell you how many weeks before the filters should be replaced.
- 4) Next calculate the future date for replacement (52 weeks per year) and write that date on a sticker and attach it to the bottom of your system for future reference.

By the way, if you have been using your fluoride reduction filters for some time now, you can still use the above formula to determine when to replace the elements. Just count forward from the date you purchased your elements.

I installed my PF-2 elements but my water is a bit cloudy and why does it have a funny taste?

The odd taste is from process dust that may not have been washed free from the filter elements during the conditioning process. Please remove the PF-2 elements and re-condition them for 60 seconds on both ends. This should expel any residual process dust and fix the problem.

Do the PF-2 elements replace the Black Berkey® purification elements?

No the Black Berkey® elements fit into the base of the upper chamber with the stems of the filters protruding through the holes in the base of the upper chamber. The protruding stems are threaded and the PF-2 filters screw onto these threaded stems so that the PF-2's hang down into the lower chamber. The water flows from the upper chamber, through the Black Berkey® elements, into the PF-2 filters and then into the lower chamber. The "PF" in PF-2 stands for Post Filter. So in answer to your question, no they do not replace the black filters but rather work in conjunction with them.

If I begin using use the PF-2 elements, will I need more counter space for my system?

No, the PF-2's attach to the stems of the Black Berkey® elements and hang down into the interior of the lower chamber of the system requiring no additional counter space.

I understand that the media used within the fluoride reduction elements is activated alumina, is that the same thing as aluminum?

The media used to extract the fluoride and arsenic is activated alumina. Since fluoride is a by-product of aluminum production, fluoride has a natural affinity to recombine with activated alumina making it an ideal extraction media. We are not chemists but will communicate our understanding on the subject. Both nutritionist and lab technicians have informed us that aluminum and alumina are two separate animals. Aluminum can cross the blood brain barrier and cause problems with the brain whereas alumina is inert. It is our understanding that alumina is oxidized aluminum. Aluminum is regulated whereas alumina is not for example, alumina is the material used for making the paste in toothpaste. At any rate, when testing for aluminum in water, most tests cannot distinguish between aluminum ions and oxidized alumina. Since we are not chemists, we tested the effluent from the filters and included that information in our brochure. While we were not required to do so, we felt that it was important to disclose to our customers what our results were so that they would have the necessary information to do further research on the issue should they desire to do so. We thin it was significant in the test we conducted using the combination of Black Berkey® elements and PF-2 elements there was a net reduction in the tested aluminum content of the source water vs. the purified water. Again that test did not distinguish between aluminum and alumina. The bottom line is that the media utilized is oxidized alumina and not aluminum.

What are the dimensions of the PF-2 and PF-4 elements?

The individual elements are 6" in length and 2.5" in diameter.

I have high PH in my water, will that reduce the efficiency of the PF-2 elements?

That is correct, high or low PH impedes the ability of the media to remove fluoride.

The Travel Berkey®
Portable Water Purifier



The compact Travel Berkey® system is the perfect system for use during travel and any outdoor activities or during unexpected emergencies.

This powerful system purifies 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 outdoor activities and a must in hostile environments where electricity, water pressure or treated water may not be available.

The Travel Berkey® system removes pathogenic bacteria, cysts and parasites entirely and extracts harmful chemicals such as herbicides, pesticides, VOCs, organic solvents, radon 222 and trihalomethanes. It also reduces nitrates, nitrites and unhealthy minerals such as lead and mercury. This system is so powerful it can remove food coloring from water without removing the beneficial minerals your body needs. Virtually no other system can duplicate this performance.

Constructed of highly polished 304 stainless steel the system comes complete with two purification elements and utilizes the latest technological advances. This system has a storage capacity of about 1.5 gallons (5.7 liters) and when in use it stands 18" in height with a diameter of 7.5". The upper chamber nests within the lower chamber for transport and stands only 12" in height.

Configured with two Black Berkey® purification elements the system will purify up to 2.5 Gallons (9.5 liters) per hour*.

** Flow rate calculated with upper chamber full to top. Flow rate decreases as water level declines*

800-544-8927

Berkey Light™
The GO Anywhere
GLOW Anywhere
Water Purifier

Constructed of shatter resistant, high impact strength Lexan® the system comes complete with two purification elements, a base and utilizes the latest technological advances. This system has a storage capacity of about 2.75 gallons and when in use it stands 26.5 in height with a diameter of 9. The system stands 21 when used without the base (included). Configured with two Black Berkey® purification elements the system can purify over 4 Gallons per hour. (Not yet available in Iowa).

The Berkey Light™ system is designed for use during travel, outdoor activities and during unexpected emergencies. This powerful system purifies 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 outdoor activities and a must in hostile environments where electricity, water pressure or treated water may not be available.

Easy Setup and Simple Installation:

The Berkey Light™ system sets up in minutes. Simply screw in the purification elements and spigot, snap the chambers and base together and you are ready to purify your water.



The Berkey Light™ System

The shatter resistant and virtually unbreakable Berkey Light™ system is made of high impact strength Lexan® which, ounce for ounce, is stronger than steel. In fact, this is the same material used for making bulletproof glass.

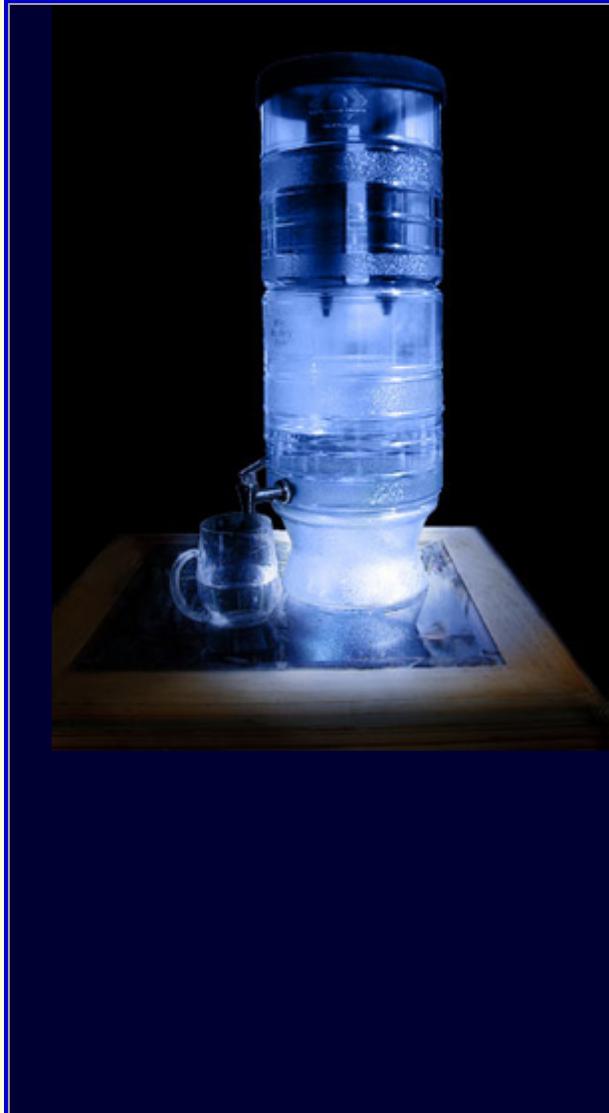
The Berkey Light™ system does not leach foul tasting plasticizers into your water and will not retain foul tastes and odors from waterborne contaminants. As the system purifies water, it produces the delightful and relaxing sound of falling raindrops.

When used with the Berkey Light™ LED Base, these water droplets light up and glow and the resulting waves reflect soothing patterns of light onto the surrounding area. The lighting effects coupled with the melody of raindrops, combine to create a unique and relaxing atmosphere.

The revolutionary Berkey Light™ 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, sediment and unhealthy minerals such as lead and mercury.

When power is not available, the Berkey Battery Adapter™ case(optional) provides an incredible two weeks of nighttime light from four small AA alkaline batteries and the Berkey MP Solar™ charger (optional) provides for an endless source of power. This makes the Berkey Light™ system the ideal camping-light and emergency light.

What's more, the detachable base can be used as a stand-alone emergency flashlight.



Berkey Light™ System with WHITE LEDs

Berkey Light™ System with BLUE LEDs

The base has an optional eight-lamp LED lighting system, available in practical white or beautiful cobalt blue, allowing for optimum use day or night. Incredibly, the Berkey Light™ LED lamps have an average life of over 11 years of continuous use and are so bright the white LED's can be spotted for more than a mile in the dark, yet they require very little energy.

Water deflecting ridges.

Elevated base allows the system to be placed anywhere on a flat surface.

Portability while system is purifying water.

Re-cleanable and self-sterilizing purification elements.

Low energy 8 lamp LED option for night light, ambience and emergency lighting.

Luminescent system can be used in no or low-light conditions.

LED lamps can be powered by the internal rechargeable batteries, the AC adapter, The **Berkey Battery Adapter™ case** (optional), or the **Berkey MP Solar™ charger** (optional).

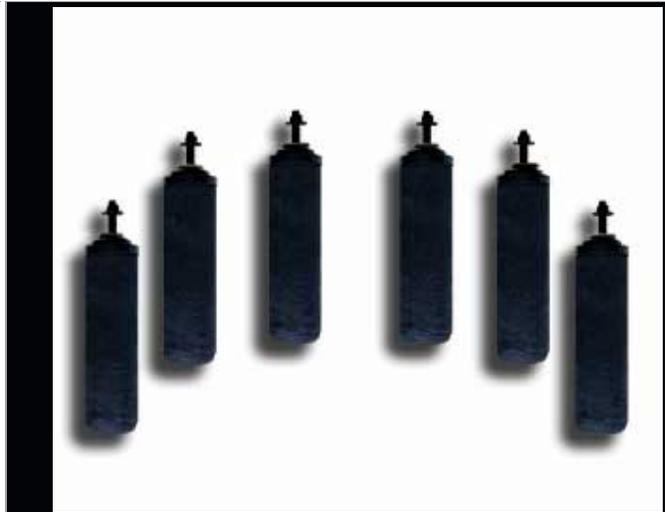
Transparent chamber provides for an easy view of water levels

Ambient and relaxing luminous effects.

The adaptable Berkey Light™ LED lighting system is designed for long-term use even when electrical power is not available. The LED lamps can be powered by the AC adapter (included with LED base) when electricity is available, or by the internal rechargeable batteries (included with LED base).



So powerful, this system is able to remove food coloring from water without removing the beneficial minerals your body needs. Virtually no other system can duplicate this performance.



Black Berkey® Purification Elements

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 purification 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.

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

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

PATHOGENIC BACTERIA CYSTS AND PARASITES

removal 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 (VOCs)

Removed to below detectable limits

Alachlor	Ethylene Dibromide (EDB)
Atrazine	Heptachlor
Benzene	Heptachlor Epoxide
Carbofuran	Hexachlorobutodiene
Carbon Tetrachloride	

Because Black Berkey® purification elements fit most gravity filters, existing gravity filtration systems can be upgraded. This vastly improves their ability to remove unwanted contaminates.



[Click for larger view](#)

800-544-48927

Black Berkey® Purification
(set of two elements)

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.

Chlorine	Hexachlorocyclopentadiene
Chlorobenzene	Lindane, Methoxychlor
Chloroform	MTBE
2,4-D	Pentachlorophenol
DBCP	Simazine
p-Dichlorobenzene	Styrene
o-Dichlorobenzene	1,1,2,2-Tetrachloroethane
1, 1-Dichloroethane	Tetrachloroethylene
1, 2-Dichloroethane	Toluene
1, 1-Dichloroethylene	2,4,5-TP (Silvex)
cis-1, 2-	1,2,4-trichlorobenzene
Dichloroethylene	1,1,1-trichloroethane
Trans-1,2-	1,1,2-trichloroethane
Dichloroethylene	Trichloroethylene
1, 2-Dichloropropane	o-Xylene
cis-1,3-	m-Xylene
Dichloropropylene	p-Xylene
Dinoseb	
Endrin	
Ethylbenzene	

HEAVY METALS reduced by up to 95%:

CONTAMINANT	HEALTH EFFECTS
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.

Berkey® PF-2™ Fluoride and Arsenic Reduction Elements



(click picture to enlarge it)

PF-2™ reduction elements are designed for use in conjunction with **Black Berkey®** water purification elements to adsorb the following unwanted elements found in drinking water.

- Fluoride
- Arsenic V and pre-oxidized Arsenic III
- Other residual heavy metal ions

TECHNICAL INFORMATION:

FLUORIDE: Testing for fluoride was based on 20-30ppm of the ion in the influent aqueous solution at a flow rate of no more than 3 gpm (11 lpm) per cubic foot of media. Results of < 1ppm of the fluoride ion in the effluent were typical for the media (>95% reduction). Under optimum conditions, effluent concentrations of less than 50 ppb were readily achieved (>99.75% reduction).

ARSENIC: This product uniquely targets the entire family of arsenic oxide anions as well as the arsenic cations.

REPLACEMENT:

Under normal conditions it is recommended that each set of two **PF-2™** elements be replaced after 1,000 gallons (3,785 liters). The **Royal Berkey®** system is about 3.25 gallons (12.3 liters) therefore the **PF-2™** filters should be replaced after 1,000/3.25 (3,785/12.3) or 307 refills. If the system is refilled about one time per day, the **PF-2™**'s should be replaced after 10 months, if the system is refilled about twice per day, the **PF-2™**'s should be replaced about every five months). Actual capacity is dependent on the presence of other competing contaminants in the source water. High levels of fluoride, arsenic and heavy metals may reduce the capacity and efficiency of the elements.

NOTES:

- 1) **Do not** boil this element.
- 2) **PF-2™** elements reduce filtration flow rate by 15-20%.
- 3) The media used in the **PF-2™** filter elements contains high-grade activated aluminum oxide, which currently is the most efficient media available for extracting fluoride from water. Below are the results we obtained when testing the **PF-2™** elements (the water was not pre-filtered through the **Black Berkey®** elements). The reduction over time is due to additional residual process dust being washed free from the **PF-2™** elements as the system is used. To give a scale for comparison purposes we include test results from a national brand toothpaste and water boiled in an aluminum pan.

- National brand toothpaste 52.878 ppm aluminum
- Water boiled in an aluminum pan for five minutes: 2.791 ppm aluminum
- **PF2™** after conditioning (5 cycles): .178 ppm aluminum
- **PF2™** after 10 Cycles: .037 ppm aluminum
- **PF2™** after 20 Cycles: .029 ppm aluminum

While the above results indicate that the residual process dust adds a minute amount of aluminum to the water, the **Black Berkey®** purification elements reduce aluminum from the water. We tested water that naturally contained .320ppm aluminum and filtered it through the combination of the **Black Berkey®** and the post conditioned **PF-2™** filtration elements (5 cycles). The results showed a net reduction in aluminum contamination (Raw influent: .320ppm - Effluent after passing through the **Black Berkey®** and **PF-2™** elements: .232ppm). In other words the **Black Berkey®** elements removed more aluminum from the water than was added by the **PF-2™** elements.



(PF-2™ Installed in Berkey Light™)



(PF-2™ Installed in Berkey Light™)

Berkey® PF-2™ ELEMENTS (Set of Two)

SIZE: Length 6", width 2.5" - COLOR: White

REPLACEMENT: 1,000 gallons (3,785 liters)



The versatile Big Berkey[®] system is the ideal system for use at home with small or medium sized families, travel, outdoor activities or during unexpected emergencies.

This powerful system purifies 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, outdoor activities and a must in hostile environments where electricity, water pressure or treated water may not be available.

The Big Berkey[®] system removes pathogenic bacteria, cysts and parasites entirely and extracts harmful chemicals such as herbicides, pesticides, VOCs, organic solvents, radon 222 and trihalomethanes. It also reduces nitrates, nitrites and unhealthy minerals such as lead and mercury. This system is so powerful it can remove food coloring from water without removing the beneficial minerals your body needs. Virtually no other system can duplicate this performance.

Constructed of highly polished 304 stainless steel, the system comes complete with two purification elements and utilizes the latest technological advances. This system has a storage capacity of about 2.25 gallons (8.5 liters) and when in use it stands 19.25" in height with a diameter of 8.5". The upper chamber nests within the lower chamber for transport and stands only 13" in height.

Berkey Water Filtration

Configured with two Black Berkey® purification elements the system will purify up to 3 1/2 Gallons (13.3 liters) per hour*. This system can be expanded to use four purification elements and is capable of purifying up to 7 Gallons (26.5 liters) per hour*.

**Flow rate calculated with upper chamber full to top. Flow rate decreases as water level declines*

With 2 Black Berkey® Purification Elements

With 4 Black Berkey® Purification Elements

Not yet available in California or Iowa

800-544-8927

The Crown Berkey® Portable Water Purifier

The versatile Crown Berkey® system is the ideal system for use with medium to large groups, at home, churches, hospitals orphanages, outdoor activities or during unexpected emergencies.

This powerful system purifies 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 outdoor activities and a must in hostile environments where electricity, water pressure or treated water may not be available.

The Crown Berkey® system removes pathogenic bacteria, cysts and parasites entirely and extracts harmful chemicals such as herbicides, pesticides, VOCs, organic solvents, radon 222 and trihalomethanes. It also reduces nitrates, nitrites and unhealthy minerals such as lead and mercury. This system is so powerful it can remove food coloring from water without removing the beneficial minerals your body needs. Virtually no other system can duplicate this performance.

Constructed of highly polished 304 stainless steel, the system comes complete with two purification elements and utilizes the latest technological advances. This system has a storage capacity of about 6 gallons (22.7 liters) and when in use it stands 30" in height with a diameter of 11". The upper chamber nests within the lower chamber for transport and stands only 20" in height.

Configured with two Black Berkey® purification elements the system will purify up to 6.5 Gallons (24.6 liters) per hour*. This system can be expanded to use eight purification elements and is capable of purify up to 26 Gallons (98.4 liters) per hour*.

** Flow rate calculated with upper chamber full to top. Flow rate decreases as water level declines*

With 2 Black Berkey® purification elements

With 4 Black Berkey® purification elements

The Imperial Berkey® Portable Water Purifier

The versatile Imperial Berkey® system is the ideal system for use with small to medium sized groups, at home, churches, hospitals orphanages, for outdoor activities or during unexpected emergencies.

This powerful system purifies 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 outdoor activities and a must in hostile environments where electricity, water pressure or treated water may not be available.

The Imperial Berkey® system removes pathogenic bacteria, cysts and parasites entirely and extracts harmful chemicals such as herbicides, pesticides, VOCs, organic solvents, radon 222 and trihalomethanes. It also reduces nitrates, nitrites and unhealthy minerals such as lead and mercury. This system is so powerful it can remove food coloring from water without removing the beneficial minerals your body needs. Virtually no other system can duplicate this performance.

Constructed of highly polished 304 stainless steel, the system comes complete with two purification elements and utilizes the latest technological advances. This system has a storage capacity of about 4.5 gallons (17 liters) and when in use it stands 25.75" in height with a diameter of 10". The upper chamber nests within the lower chamber for transport and stands only 17" in height.

Configured with two Black Berkey® purification elements the system will purify up to 5.5 Gallons (20.8 liters) per hour*. This system can be expanded to use six purification elements and is capable of purifying up to 16.5 Gallons (62.5 liters) per hour*.

** Flow rate calculated with upper chamber full to top. Flow rate decreases as water level declines*

With 2 Black Berkey® purification elements
With 4 Black Berkey® purification elements

Not yet available in California or Iowa

800-544-8927

DUAL MEDIA KDF SHOWER FILTER

- **Effective for both hot and cold water.**
- **Reduces up to 95% of chlorine**
- **Reduces chemical absorption and vapor inhalation**
- **Reduces 98% of water soluble heavy metals**
- **Contains bacteriostatic KDF as well as other media**
- **Reduces damage to hair and skin**
- **Eliminates foul tastes and odors**
- **Back Flush Attachment to prevent premature clogging**
- **Reduces lime, scale, mold and fungi in showers**
- **Also available with massage shower head already installed**

OVERVIEW:

The dual media KDF Shower Filter will typically last 10,000 gallons or one year whichever comes first. The shower filter contains KDF 55 granules, which are most effective in removing or reducing chlorine, hydrogen sulfide, microorganisms, scale and water-soluble heavy metals such as lead, mercury, and iron. KDF process media also kill bacteria and inhibit the growth of bacteria, algae, and fungi. As an added benefit, KDF media reduce lime scale, mold, and fungi in your shower. KDF process media are completely safe so the process is not toxic and does not cause any adverse side effects. Effective for both hot and cold water.



[\(click picture to enlarge it\)](#)

TECHNICAL INFORMATION:

In the shower environment, chlorine can either be in liquid or gas state. At higher water temperatures in the enclosed shower stall, free-chlorine moves from the liquid to the gas state, where it vaporizes and subsequently is inhaled. The United States regulates all showerhead flow at 2.5 gallons per minute. Thus, the science behind shower filtration must take into account the unique situation in the shower, including temperature, flow rate and volume.

Our Dual Media KDF Shower Filter works on a similar principle to a Catalytic Converter in an automobile. In shower filtration free-chlorine is converted into a harmless chloride. The scientific name for this chemical reaction is known as "Reduction-Oxidation", commonly referred to as Redox. Redox reactions can be chemically complex. Simply stated, during a Redox reaction electrons are transferred between molecules, creating new elements. For instance, when free-chlorine comes in contact with the filtration media, it is changed into a benign, water-soluble chloride. This reaction changes free-chlorine to a larger chloride element, too large to evaporate or be absorbed by the skin. It is then carried harmlessly through the water supply. Hospitals, restaurants, municipal water treatment facilities, and homes rely on KDF process media to safely reduce or remove free chlorine, iron, iron oxides, heavy metals, hydrogen sulfide and bacteria from their water.

KDF process media are high-purity copper-zinc formulations used in treatment applications to reduce heavy metals, hydrogen sulfide, microorganisms, and scale. Water filtered through redox media controls microorganism growth. Treating water reduces bacteria and other microorganisms by electron transport, causing cellular damage. KDF process media also kill bacteria by direct electrochemical contact and by the flash formation hydroxyl radicals and hydrogen peroxide, both of which interfere with a microorganism's ability to function. High-purity copper-zinc redox media consistently remove 99% of free chlorine by electrochemically reducing dissolved chlorine gas to water-soluble chloride ions.

Redox media remove up to 98% of water-soluble cations (positively-charged ions) of lead, mercury, copper, nickel, chromium, and other dissolved metals. When filtered through KDF media, soluble lead cations are reduced to insoluble lead atoms, which are electroplated onto the surface of the media. All forms of KDF media are guaranteed for product purity, and a certified analytical sheet accompanies each manufacturing run. KDF media also meet EPA and Food and Drug Administration standards for maximum limits of zinc and copper in potable water.

Replacement: Each dual media KDF shower filter will typically last 10,000 gallons or one year whichever comes first.

