

## Berkey Shower Filter™ INSTRUCTIONS

The **Berkey Shower Filter™** removes up to 95% of Chlorine present, but it also saves water and energy as well. It is just as logical to remove the Chlorine from our showers as it is to remove it from our drinking water.

### CHLORINE AND YOU

Chlorine is universally used to purify water chemically. Municipal water suppliers use chlorine and its derivatives to destroy micro-organisms in drinking water efficiently. Just like bleach in your laundry chlorine is used to attack organic matter to disinfect. Our skin, hair, lungs, and eyes are also organic – and Unfortunately, Chlorine attacks these as well. Chlorine bonds with the protein in our bodies making hair dry and unmanageable; and skin dry, flaky, and sensitive.

### MORE ABOUT CHLORINE

Chlorine exists in two forms - Combined Available Chlorine and Free Available Chlorine. Combined Available Chlorine is present as Chloramine or other derivatives in water. Free Available Chlorine, is the residual Chlorine present in dissolved gas and not combined with ammonia. It is Free Available Chlorine that presents the most danger to humans, and it is this form of chlorine that the **Berkey Shower Filter™** removes.

NOTE: Simple OTO type Chlorine tests cannot be used to test the effectiveness of **Berkey Shower Filter™** as they also indicate the presence of Combined Chlorine. When testing the **Berkey Shower Filter™** an inexpensive test is the DPD type test method.

### INSTALLATION:

Tools and material required:

- a. Slip joint pliers or an adjustable wrench (to remove existing showerhead).
- b. Teflon joint sealing tape.

1. Remove the existing shower head from the shower arm. (See Fig A)
2. If your showerhead has an integral ball joint, replace with a standard 1/2" threaded shower arm or an adapter can be used (See Fig B). Ball adapters are available from most hardware or building supply dealers.

The following table may be of help:

<b>Plumb Shop</b>	<b>Shower</b>
<u>Adapter</u>	<u>American Standard</u>
PS-2592	Price
PS-2593	Pfister
PS-2596	Gerber

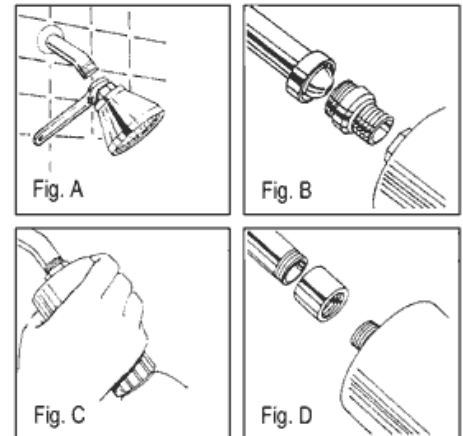
4. Wrap about 4 turns of Teflon joint sealing tape around the shower arm threads (or adapter threads, if in use).
5. Attach adapter, if the adapter is required, with slip joint pliers.
6. Attach the **Berkey Shower Filter™** by hand tightening to shower arm or adapter (See Fig C). Be careful to avoid cross-threading when starting the threads. Do not over tighten. It is only necessary to tighten enough to prevent leaks.
7. A FLOW RESTRICTING HEAD SHOULD BE USED WITH THE **Berkey Shower Filter™**. This is not only mandatory in most cities but is necessary to ensure proper filter action of the **Berkey Shower Filter™** (SHOWER HEAD FLOW SHOULD NOT EXCEED 2.5 GPM AT 60 PSI).
8. Use of a Handheld shower unit is welcome with **Berkey Shower Filter™** Remove the existing shower head and attaching the **Berkey Shower Filter™** to the shower arm using Teflon joint sealing tape. Attach the flexible hose to the outlet of the **Berkey Shower Filter™** as per the manufacturer's instructions for the handheld unit.

## CARE OF YOUR BERKEY SHOWER FILTER™ AND "BACK FLUSHING."

The effectiveness of the **Berkey Shower Filter™** removing Free Chlorine depends on the quality of the water source and age of the **Berkey Shower Filter™**. A reduction of water flow may occur over time. Should this happen, a "backflushing" procedure to break apart the media and rejuvenate the **Berkey Shower Filter™** can be done to help:

### BACKFLUSHING INSTRUCTIONS:

1. Remove the **Berkey Shower Filter™** from the shower arm.
2. Remove the shower head from the **Berkey Shower Filter™**.
3. Turn the **Berkey Shower Filter™** around and attach the backflushing coupling (supplied) to the outlet of the **Berkey Shower Filter™** (See Fig. D).
4. Attach the coupling to the shower arm.
5. Turn on the shower and flush the **Berkey Shower Filter™** with warm water for several minutes at full flow.
6. Remove the unit and reassemble using Teflon joint sealing tape.



### FILTRATION MEDIA

The **Berkey Shower Filter™** contains a new and improved shower filtration media, which is most effective in reducing Free Chlorine, Hydrogen Sulfide, Scale and Iron Oxide (rust water). The **Berkey Shower Filter™** media works in a wide range of temperatures with a maximum operating temperature of 110 °F (43 °C) temperature.

### How Long Will Your Berkey Shower Filter™ Last?

The length of time the **Berkey Shower Filter™** lasts with optimal reduction of Free Chlorine levels in your shower depends on a variety of factors. These factors include the level of Free Chlorine, pH balance, amount of water used, the hardness of your water and the care of the unit. Under average water conditions, the **Berkey Shower Filter™** typically lasts 25,000 gallons or one year, whichever comes first. To extend the lifetime, backflush regularly.

Please note testing performed under standard laboratory conditions, and actual performance may vary.

### USING A FLOW RESTRICTING WATER HEAD

The **Berkey Shower Filter™** showerhead incorporates a patented feature that regulates the water flow rate 2.5 gallons per minute (GPM) from water pressure as low as 15 (PSI) to pressures as high as 100 (PSI). This feature not only results in substantial energy and water savings, but it also is an essential part of the **Berkey Shower Filter™** design. The flow restricting feature of the **Berkey Shower Filter™** head ensures the proper contact time of the water within the filter.

DO NOT USE SHOWER HEAD WITH FLOW RATE GREATER THAN 2.5 GPM AT 60 PSI. DOING SO REDUCES THE EFFECTIVENESS OF THE BERKEY SHOWER FILTER™.

### NOTICE OF LIMITATIONS:

- The design of the **Berkey Shower Filter™** is for potable water systems only.
- Do not allow to freeze, or use with water over 110 °F (43 °C) temperature.
- Maximum water pressure should not exceed 100 (PSI).
- Do not use in high iron content water systems that use chemicals such as polyphosphates.
- Do not drink water from the **Berkey Shower Filter™**.