

## Thank you for choosing the Katadyn Exstream Personal Water Purification System

This personal water purification system has been proven to render water microbiologically safe for drinking. Intended only for short-term, limited or emergency use (not intended for long-term use).

### Keep Out of Reach of Children CAUTION

See end of manual for additional precautionary statements.

### Directions For Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Katadyn Exstream personal water purification systems eliminate the need to carry or locate safe drinking water, whether you are hiking, traveling or in an emergency situation. Only Katadyn Exstream personal water bottle purifiers place the advanced technology of a microbial purification cartridge into a standard water bottle. The result is a personal hydration system that provides antimicrobial protection against cysts, bacteria and viruses.

### When To Use

Katadyn Exstream personal water bottle purifiers are designed for use with untreated fresh water sources, such as lakes, rivers and streams. They also provide protection against waterborne pathogens that may still be present in the tap water of many foreign countries. Exstream systems are also effective in emergencies, such as floods, hurricanes and earthquakes, or any time service from a municipal water treatment plant fails.

Katadyn Exstream personal water bottle purifiers provide a convenient alternative to pump-style water purifiers. Because they are designed for personal use, Exstream systems are not suitable for situations when large volumes of water must be treated.

### How They Work

Katadyn Exstream personal water purification systems utilize a multi-stage, modular system. At the heart of the system is the ViruStat® microbial purification cartridge. The ViruStat® uses iodide resin to kill 99.9999% of waterborne bacteria, including *Klebsiella terrigena*, and 99.99% of viruses, such as Poliovirus type 1 and Rotavirus Strain SA-11. The ViruStat® employs a patented ion-release technology that dramatically reduces residual iodine, and a special layer of coconut-carbon that further minimizes any residue. The ViruStat® cartridge is preceded by a replaceable 1-micron filter that removes 99.9% of pathogenic cysts, such as *Giardia*. A Prefilter is installed below the Cyst filter to remove sediment and organic contaminants.

Please carefully read the following instructions for maximum performance of your Katadyn Exstream personal water purification system. Failure to follow the instructions found in this manual may result in unsafe drinking water.

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Following the rigid U.S. EPA microbiological water purifier test protocols, the Exstream system's long-lasting, replaceable ViruStat® microbial purification cartridge killed or removed:

- 99.9999% of waterborne bacteria such as *Klebsiella terrigena*
- 99.99% of waterborne viruses including Poliovirus type 1 and Type 1 Rotavirus Strain SA-11
- 99.9% of waterborne protozoa such as *Giardia*
- Bad tastes and odors

## Key Components

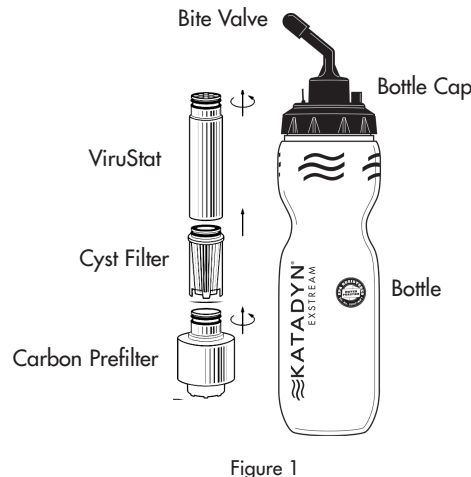


Figure 1

(3)

## Important Notes

1. To be purified, water must pass through the ViruStat® cartridge. The flow rate is slower than an ordinary sports water bottle to ensure complete purification.
2. New and stored units must be preconditioned. See "Preconditioning the System" section.
3. Squeeze and sip using continuous pressure. Do not pump. You will notice a 2-4 second pause after squeezing, like using a long straw, before water flows.
4. Always hold bottle upright when drinking. Water will not pass through the cartridge if bottle is upside down or at an angle.

## Product Set-Up (Before First Use)

### 1. Rinse inside of bottle

### 2. IMPORTANT! Flush Prefilter

Attach Carbon Prefilter to bottle cap. Fill bottle with tap water. Install bottle cap on bottle and tighten. Firmly squeeze bottle with both hands until 1/2 bottle of water has been run through the system. Remove bottle cap.

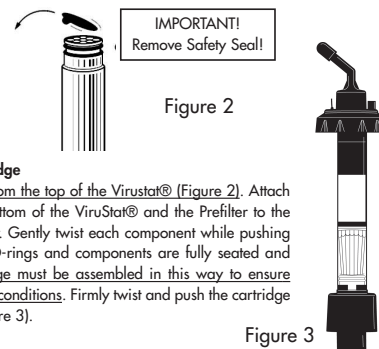


Figure 2

Figure 3

### 3. Assemble the cartridge

Remove the red label from the top of the ViruStat® (Figure 2). Attach the Cyst Filter to the bottom of the ViruStat® and the Prefilter to the bottom of the Cyst Filter. Gently twist each component while pushing it on. Make sure ALL O-rings and components are fully seated and assembled. The cartridge must be assembled in this way to ensure purification in all water conditions. Firmly twist and push the cartridge into the bottle cap (Figure 3).

(4)

## Pre-Condition the System (When New or After Extended Storage)

1. Prime - Fill the bottle with water to the fill line (indicated on outside of bottle). Insert cartridge/bottle cap into bottle. Turn bottle cap clockwise until tight. Squeeze bottle firmly with both hands to start water flow. Repeat until two bottles of water have been run through the system. While priming, keep bottle as full as possible. Flow rate will improve once the system is fully primed.
2. Again, fill the bottle with water to the fill line. Insert cartridge/bottle cap into bottle. Turn bottle cap clockwise until tight. Allow to sit for two hours prior to use.

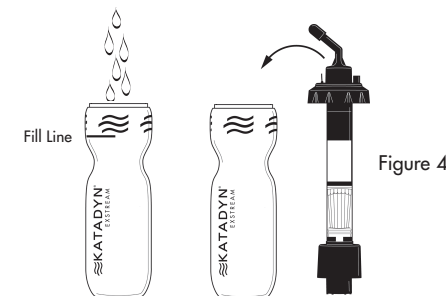


Figure 4

## Normal Operation (After Preconditioning)

1. Fill the bottle with water to the fill line (Figure 4). Remember, the clearer the water, the longer the Cyst and Prefilter will last.
2. Insert cartridge/bottle cap into bottle. Turn bottle cap clockwise until tight.
3. Open bite valve. Note: The bite valve has two positions. Pull the bite valve out to open. Push it in to close (Figure 5). Do not remove bite valve.
4. Hold the bottle upright when drinking. Squeeze and sip using continuous pressure.

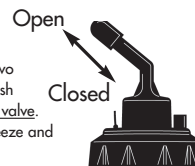


Figure 5

(5)

## Cartridge Installation

The ViruStat® microbial purification cartridge is for use with the Exstream or Exstream XR personal portable water purification system as a microbiological water purifier. Each replaceable ViruStat® microbial purification cartridge will treat up to 26 gallons (100 liters) of water.

### Changing the Cyst Filter

When water flow becomes restricted, use the following steps to change the Cyst Filter:

- Remove the Cartridge/Bottle Cap from the bottle.
- Remove the Cyst Filter from the bottom of the ViruStat® cartridge and the Prefilter from the bottom of the Cyst Filter.
- Gently twist and push the new Cyst Filter onto the ViruStat® cartridge (see Figure 1).
- Gently twist and push the Prefilter onto the Cyst Filter.
- Put Cartridge/Bottle Cap back on bottle.

### Changing the ViruStat Microbial Purification Cartridge

After 26 gallons (100 liters) use the following steps to change the ViruStat® cartridge:

- Remove the Cartridge/Bottle Cap from the bottle.
- Remove the ViruStat® microbial purification cartridge with the Cyst filter and Prefilter from the cap. Discard cartridge components in trash receptacle.
- Flush Prefilter (see step 2 of product set-up on page 4).
- Assemble the Cartridge (see step 3 of product set-up on page 4).
- Follow the Pre-Conditioning procedure on Page 5.

## Cleaning

Wash and dry the inside of the Exstream bottle thoroughly before using and regularly during heavy periods of use. If using with safe water and without the ViruStat® cartridge, the bottle must be completely disinfected to prevent contamination from previous contact with contaminated water. Your Exstream bottle and cap are dishwasher safe (without the cartridge). Do NOT use soap to clean the ViruStat® cartridge, the Cyst filter or the Prefilter.

Before storage, remove excess water from the ViruStat® cartridge by disassembling all three components. Shake out excess water. Allow the components to thoroughly dry. Wash and dry bottle. Wash well and follow conditioning instructions before resuming use. Replace a used Cyst Filter when taking the Exstream system out of prolonged storage.

Do NOT use with carbonated or flavored beverages, as they may damage the ViruStat® microbial purification cartridge.

### IMPORTANT

Refer to the Important Notes and the Product Set-Up before using.

## Storage & Disposal

**Storage:** Store purification components in a cool, dry place or in a refrigerator (not in the freezer section). Store empty bottle (without ViruStat® cartridge, Cyst Filter or Prefilter installed) with the cap on. **Disposal: Used cartridges or filters:** Do not reuse spent cartridges or filters; place in trash or offer for recycling if available.

## Precautionary Statements

### Hazards to Humans & Domestic Animals

#### CAUTION

This cartridge contains iodine resin. Persons with iodine allergies or thyroid problems and pregnant women should consult their doctor before using this device because small amounts of iodine may remain in the treated water.

#### Active Ingredient:

Iodine*	46%
Other Ingredients	54%
Total	100%

\*Bound to polystyrene divinyl benzene quaternary ammonium anion exchange resin

This device is intended for short term, limited or emergency use only and is not intended for long term use.

## Limited Warranty

Your Katadyn Exstream Personal Water Purifier is warranted for one (1) year from the date of purchase against defects in materials and workmanship. Should your Katadyn Exstream Personal Water Purifier prove defective within one year from the date of purchase, return it to the Katadyn retailer from whom it was purchased. If you do not receive a satisfactory resolution, contact Katadyn Customer Relations at 1-800-755-6701 for service assistance. Katadyn, at its discretion, will replace or repair the damaged item. Please retain purchase receipt as proof of date purchased. This warranty gives you specific legal rights and you may have other legal rights which vary from state to state.

#### Contact:

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Minneapolis, MN 55427  
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outdoor@katadyn.com / www.katadyn.com



## ViruStat™ Microbial Water Purification Cartridge Owner's Manual

### Katadyn Exstream Portable Water Purification System

### Katadyn Exstream XR Portable Water Purification System

### Katadyn ViruStat® Replacement Cartridge (Model # 8011555)

