

- 2) **Lubricate pump handle o-ring.** Silicone lubricant is provided with your new unit. Unscrew the handle collar on the upper part of the filter element counter clockwise and remove the whole pump handle. (Figure 1-1) Clean excess build-up from black rubber o-ring on bottom of handle. Place a small amount of silicone lubricant all the way around the o-ring. Re-assemble.
- 3) **If unit pumps easily, but no water flow:**
Make sure prefilter is submerged.
Make sure that input hose is not blocked or pinched.
Hold the filter vertically until water flows.
The membrane on the lid of the carbon cartridge could be clogged. Remove or clean carbon cartridge (see below) to restore flow.
- 4) **Carbon Cartridge:** Remove dirt particles on the lid of the cartridge by swirling it around in water or by rinsing. For a more thorough cleaning, gently brush with an old toothbrush or the green cleaning pad provided.
Attention: Don't use pressure, otherwise the membrane could tear.
- 5) **Prefilter:** Rinse the prefilter in water to remove any particles that may be caught in the strainer. For a more thorough cleaning, remove the prefilter from the input hose and clean with water and a soft brush. Reassemble. Apply a small amount of silicone lubricant to the strainer barb to ease assembly. (Figure 1-2)
For use without the weight. The prefilter is functional with or without the weight (we recommend using with the weight). To use without the weight, remove the strainer barb from the input hose. Re-assemble without the weight.
- 6) **Storage:** Your Katadyn water system comes with a carry bag for storage. To prevent the possibility of cross contamination the input hose should not contact the outputbarb.

Long-Term Storage (After Your Trip is Over)

Store the Combi filter as follows:

- 1) Remove and clean the ceramic element by brushing with the supplied cleaning pad. Allow to air-dry completely.
- 2) Rinse the blue plastic sleeve and remove any dirt.
- 3) Lubricate the o-rings with silicone lubricant.
- 4) Re-assemble the filter.
- 5) Store Combi, hose and accessories in the carry bag.

Note: When removing unit from long-term storage, flush the system with one liter of water to remove any stale tasting water.

(5)

Ceramic Capacity

Ceramic capacity depends on water quality. The dirtier the water the more often you will have to clean the element. This reduces the capacity of approx. 13'000 gallons (50'000 liters). If the gap of the measuring gauge fits over the ceramic it is time to replace the filter. (Figure 2-3) Inspect the ceramic for cracks after cleaning, if you dropped the filter or if you had freezing temperatures. If the filter shows cracks it will no longer protect you from microorganisms.

Ceramic Installation

Replacement filter elements are available from the dealer where you purchased your Katadyn Combi.

- 1) Remove ceramic element by turning the filter base at lower end of housing counter clockwise one quarter turn (the bottom end of the bottle adapter may be used to aid turning).
Attention: The filter housing can be under pressure - unfiltered water can splash out while taking out the ceramic element.
- 2) Remove new ceramic element from packaging.
- 3) Insert the new ceramic element into the housing. Push turn clockwise one quarter turn.
- 4) Flush ceramic element by pumping and discarding the first liter.

Activated Carbon Capacity

Activated Carbon capacity depends on water quality. Normal capacity of carbon is 50 gallons (200 litres). High chemical or odor concentration can reduce the capacity of the carbon. Replace the carbon when you notice an unpleasant taste or odor after filtering or after 6 months of constant use - whichever comes first. Use the red button on the front side of the housing to keep track of when the carbon needs to be changed. Use a coin to adjust to the adequate month.

(6)

When You Travel Abroad, Camp or Backpack...

...you run a risk of illness ranging from the inconvenience and discomfort of diarrhea to more serious illnesses caused by protozoan cysts (i.e. Amiba, Giardia, Cryptosporidium), viruses and bacteria (i.e. Legionella, Cholera).

The microorganisms that cause these diseases are often found in the food and water you consume. Lakes, streams and the local water supply may be contaminated. To minimize the risk of contracting these illnesses, we suggest that you consult with your physician, state health department or travelers' clinic 4-6 weeks before you depart.
And while you are traveling...

- Make sure that prepared food is thoroughly cooked.
- Select non-cooked foods (fruits, nuts, etc.) that have intact shells or skins, and clean your hands before peeling the food.
- Wash your hands with soap and water thoroughly and often, especially before you eat. Filter all drinking water with your Katadyn Combi Water Microfilter.

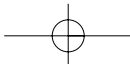
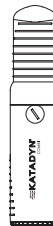
The Katadyn Hiker Microfilter is an essential piece of outdoor equipment. We hope it makes your outdoor experience more enjoyable. For questions or suggestions, please contact us at 1-800-755-6701.

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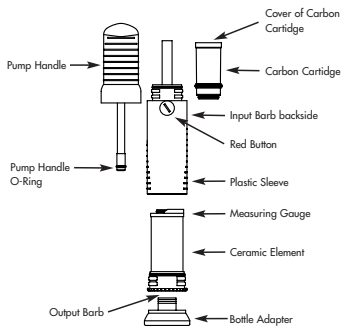
KATADYN
MAKING WATER DRINKING WATER

Combi Water Microfilter
(Model #8013620)

Combi Replacement Cartridge
(Model #8013622)

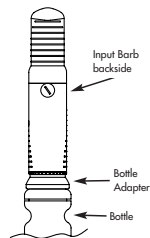


Thank you for choosing a Katadyn portable water microfiltration system. The Katadyn Combi Microfilter meets industry standards for reduction of bacteria (99.9999% *Klebsiella terrigena*) and protozoan cysts (99.9% *Giardia* and *Cryptosporidium*). It also reduces chemicals and improves the taste of water. The Combi is Katadyn's most multi-functional filter for all-round use. It is ideal for 1-4 persons while trekking, on journeys and on expeditions.

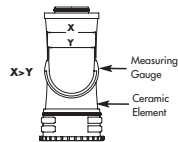


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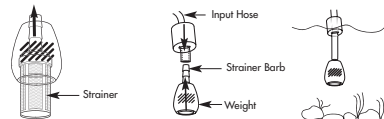
(1)



(Figure 2-2)



(Figure 2-3)



(Figure 2-1)

(2)

Product Set-up

The Combi requires minimal set up. For best results, try out the Combi before first field use to familiarize yourself with its operation.

1) Prefilter

The modular prefilter (Figure 2-1) is effective in still and running water. It consists of two components: a strainer and a weight. The prefilter is important because it prevents large particles (larger than 130 microns) from entering the water system. See Field Performance Tips for helpful hints.

2) Connect Hoses

Push the hose float on to the input hose (hose with prefilter). Position the float approx. 4 inches (10 cm) from prefilter. Attach the hose to the input barb in the middle of the filter housing. (Figures 1-1, 2-1, 2-2)

3) Filling Carbon Cartridge

The Combi may be used with or without the carbon cartridge filled. Use the Combi with filled activated carbon cartridge whenever the water is chemically contaminated or tastes bad. Detach the upper part of the filter housing by turning counter clockwise. Remove the pump handle. Remove the grey activated carbon cartridge from the lower part of the filter housing and remove the lid. Open package of activated carbon and pour into the cartridge. Close the lid and insert the carbon cartridge firmly into the housing. Re-attach the pump handle to the housing and tighten by turning clockwise.

Note: There is more activated carbon in the package than is required to fill the carbon cartridge in case some is spilled.

4) Flush System

Important: Before first use, flush system by pumping approximately 0.5 litres of water through the unit to remove harmless ceramic dust and carbon dust (if carbon cartridge is filled) See following section on Normal Operation on how to filter water.

Note: If using the Combi with carbon cartridge filled, harmless carbon dust may be deposited on the surface of the ceramic. The ceramic must be cleaned after the first 0.5 litres to prevent early plugging of the filter. Repeat this procedure any time carbon is replaced. See following section on Field Performance Tips on how to clean the ceramic.

(3)

Normal Operation

- 1) Place input hose in untreated water source. Adjust the float to keep prefilter off the bottom and away from sediment.
- 2) Connect a PET-Bottle to the bottom of the Combi filter. Use the extra bottle adapter included for compatibility with other bottles (e.g. Sigg, Nalgene)*. (Figure 2-2)
- 3) Hold the filter vertically and begin pumping the handle in a slow, steady manner. Make sure the input hose is not kinked.
- 4) Unscrew water container after filling with filtered water and remove input hose from water source. Continue pumping to remove remaining water from pump body.
- 5) Store unit in the carry bag. To prevent the possibility of cross contamination, the input hose should not contact the output barb.

***Note:** Before each use, flush and discard a small amount (0.2 litres) of water to remove stale taste.

Field Performance Tips

The Katadyn Combi is designed to remove bacteria and protozoan cysts such as *Legionella*, *Giardia* and *Cryptosporidium*. To extend ceramic life, always use the best water source available. Keep the input prefilter clean and off the bottom. In heavy sediment conditions, wrap a coffee filter or bandanna around the input prefilter. Where possible, place untreated water in container and wait for sediment to settle out until water appears clear - then filter from water above the sediment.

Maintain your Katadyn water system to keep it operating smoothly.

1) If handle is hard to push

Clogged filter pores. If the filter pores of the ceramic are clogged, the ceramic needs to be cleaned. **Never use force when pumping.** Remove ceramic element by turning the filter base at lower end of housing counter clockwise one quarter turn (the bottom end of the bottle adapter may be used to aid turning). Clean the ceramic element by brushing it with the supplied cleaning pad until the light, original color appears again. Insert the ceramic element into the housing. Push and turn the filter base clockwise one quarter turn.

Attention: The filter housing can be under pressure - unfiltered water can splash out while taking out the ceramic element.

(4)