



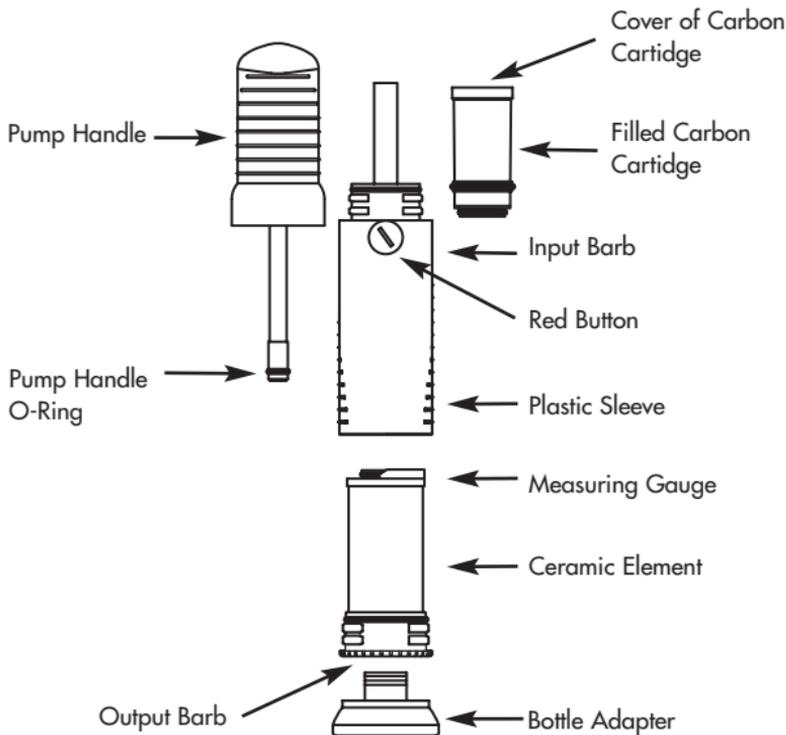
Combi Water Microfilter
(Model #8013620)

Combi Replacement Cartridge
(Model #8013622)



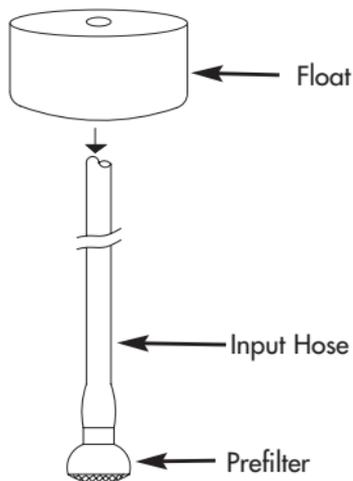
English

Thank you for choosing a Katadyn portable water microfiltration system. The Katadyn Combi Microfilter meets industry standards for reduction of bacteria (99.9999%) and protozoan cysts like Legionella, Giardia and Cryptosporidium (99.99%). 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.

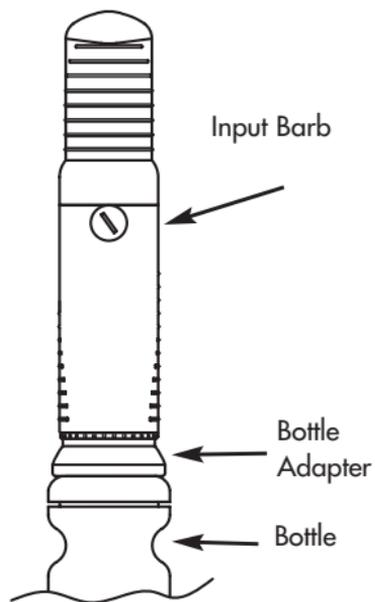


(Figure 1-1)

Key Components

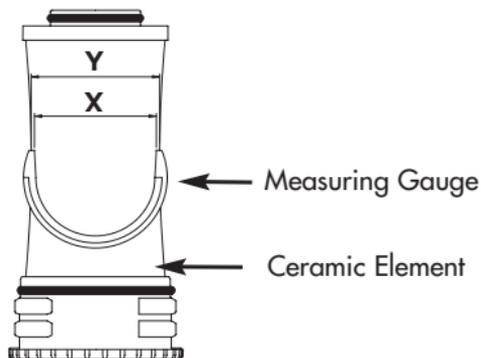


(Figure 2-1)



(Figure 2-2)

$X < Y$



(Figure 2-3)

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) 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)

2) 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.

3) 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.

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 adaptor 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, pump 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 adaptor may be used to aid turning). Clean the ceramic element by brushing it with the supplied cleaning pad until the light, originally colour 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.
- 2) Lubricate pump handle o-ring.** Silicone lubricant is provided with your new unit. Unscrew the upper part of the filter housing 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.
- 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 output barb.

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 filter housing 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 litre of water to remove any stale tasting water.

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 litres). 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 adaptor 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 litre.

Activated Carbon Capacity

Activated Carbon capacity depends on water quality. Normal capacity of carbon is 50 gallons (200 litres) High chemical or odour concentration can reduce the capacity of the carbon. Replace the carbon when you notice an unpleasant taste or odour 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.

When You Travel Abroad, Camp or Backpack...

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

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 traveller's clinic 4-6 weeks before you depart.

And while you are travelling...

- 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.

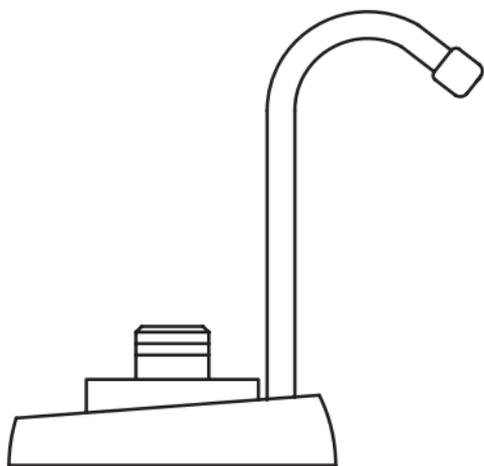
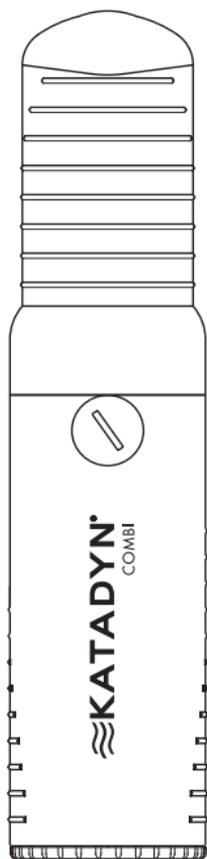
The Katadyn Combi Microfilter is an essential piece of outdoor equipment. For questions or suggestions, please contact us at +41 1 839 21 11.

Combi Plus Water Microfilter

(Model #204100)

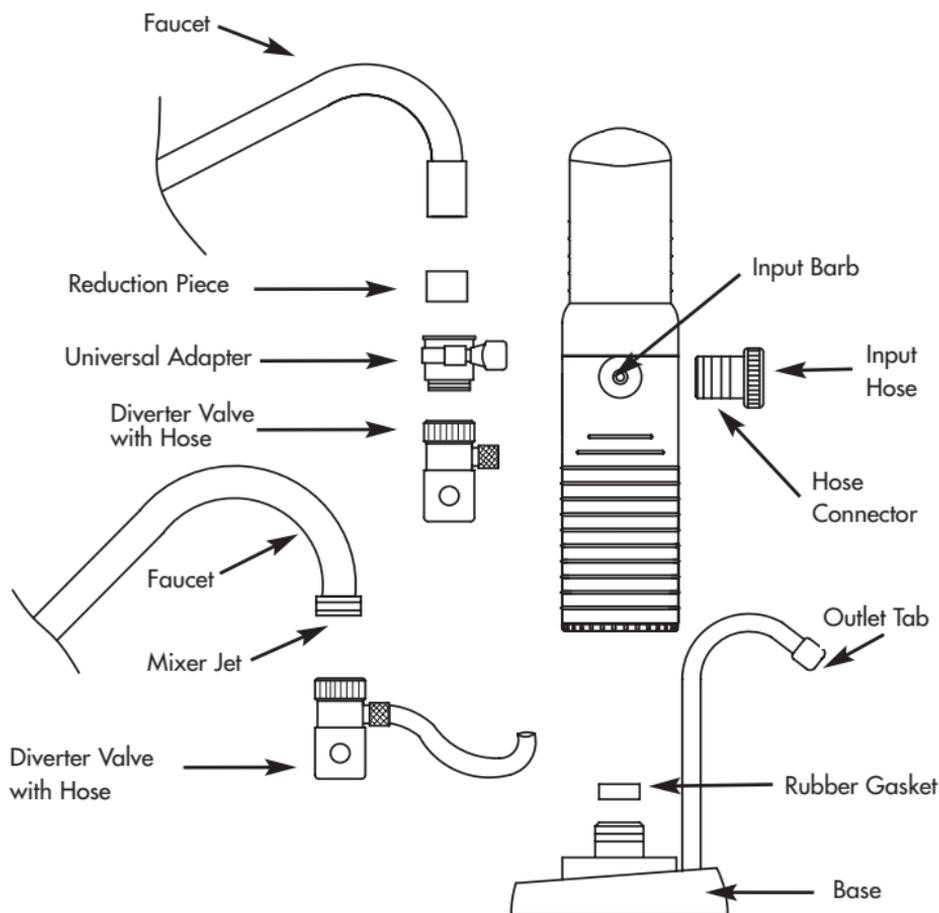
Combi Plus Faucet Attachment Kit

(Model # 20730)



Faucet Attachment kit for Katadyn Combi Filter (optional)

The Faucet attachment kit enables the Combi filter to be connected to a water faucet and makes it the only travel filter which can be used indoors and outdoors.



(Figure 3-1)

Faucet Attachment Kit Set-up

To attach the Combi to a water faucet:

- 1) Position the black rubber gasket into the opening in the middle of the base. Screw the Combi tightly onto the base.
- 2) Insert the outlet tap into the smaller opening at the edge of the base.
- 3) Slide red hose connector on to white hose with threads towards end of hose. Attach the white hose to the input barb in the middle of the filter housing. Secure by tightening hose connector clockwise.
- 4) Unscrew the mixer jet from the water faucet and connect the diverter valve to the faucet. Tighten the diverter valve to the water faucet. If diverter valve does not fit your faucet, install using universal adaptor. (Figure 3-1)

Note: Additional adaptors can be found at your local hardware store if the universal adaptor included does not fit your faucet.

Normal Operation

- 1) Turn faucet on. Switch diverter valve so that water runs out of outlet tap. Note: the faucet will be drip for a few seconds after shut off.
- 2) The flow rate of the Combi Plus depends on the available water pressure and can be increased through additional pumping (With pumping: Approx. 1 l/min at 1 bar, without pumping: Approx. 0.6 l/min at 3 bar).

Warning: The Combi Plus has no return pressure regulating valve – the pressure built up at the filter may exceed the pressure allowed for your other installations. Make sure the other systems are protected by an overpressure valve.

For maintenance please follow the details of your Katadyn Combi filter.

Limited Warranty

Your Katadyn Combi/Combi Plus Microfilter and the add-on kit are warranted for two (2) years from the date of purchase against defects in materials and workmanship. Should your Katadyn Combi prove defective within one year from the date of purchase, return it to the Katadyn retailer from whom it was purchased. If you have any questions please contact Katadyn at +41 1 839 21 11. Katadyn, at its discretion, will replace or repair the damaged item. Please retain your 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.

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