



## EZ FILTER SYSTEM MANUAL

---



The EZ Filter is a new development in alcohol filtration. It uses a specially formulated solid activated carbon cartridge to remove unwanted flavours from distilled alcohol.

The cartridge eliminates the need to handle powdered or granulated carbon. The cartridge's porous design allows the spirit to pass through and the un-wanted flavours to be absorbed by the activated carbon.

## **PARTS**

Your EZ Filter System consists of

- 2 x Reservoir Bodies
- Top Lid
- Bottom Lid
- Tap
- Filter Spindle
- Filter Cap
- Carbon Filter Cartridge
- Foam Washers.

## **CARBON CARTRIDGE INFO**

One cartridge is suitable for one batch of spirit from a 25 litre still (about 8L of 50% spirit.) A fresh cartridge should be used for each batch.

The washers are reusable for up to 3 times but should be replaced if they flatten with use and no longer recover to normal thickness.

## **MINERAL SALTS**

Mineral salts are present in the ingredients used for manufacturing activated carbon. If these are not flushed out they can be absorbed into the spirit. Later these salts can become insoluble in the spirit, especially at lower temperatures, and can form a fine sediment or haze. These salts are not dangerous, but you do not want them in your spirit as they can form crystals or haze in the spirit. This is why we recommend flushing the filter with clean water before use. If a haze forms it will sediment out over a few days and you can decant your spirit off. If this occurs you should increase the cartridge soaking next time.

## **PURIFICATION**

Activated carbon is prepared in a manner which causes the carbon crystals to become porous and develop a very large surface area. One gram of activated carbon may have 500 –1500 square metres of internal surface area. This large surface area and the many internal pores in the carbon are able to adsorb many different chemical compounds including those which cause unwanted flavours in your spirit. The absorption process is very complex and depends on concentrations, molecular weight etc. In the case of alcoholic spirit the process works best if the alcohol concentration is 50% or less. This is why we recommend adjusting the alcohol level before purification.

## ASSEMBLY INSTRUCTIONS

Fit the tap to the lower reservoir. Place the lower lid on top. Remove the cartridge from its plastic wrap and the washers from their pack.

Soak the EZ filter cartridge in a glass of clean water until the cartridge is fully submerged and air bubbles have stopped escaping from it. This is necessary to remove mineral salts from the carbon and flush out any carbon dust. You should do this for every new cartridge.

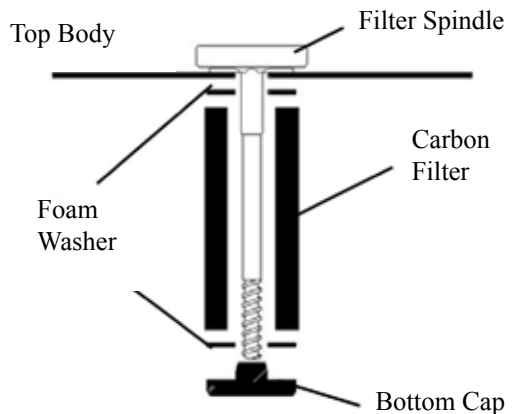
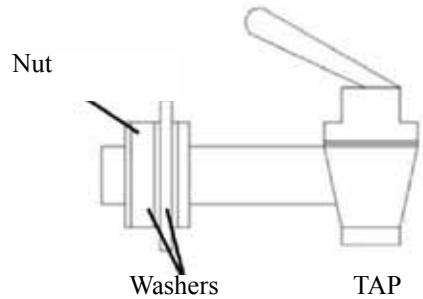
Slide the Filter Spindle through the hole in the top reservoir and then slide the other components onto the spindle where it projects below the base of the reservoir in the following order:

1. Washer
2. Carbon Filter Cartridge
3. Washer
4. Bottom Cap Screw the Bottom Cap by hand onto the Filter Spindle, taking care not to over tighten. Sit the top reservoir onto the lid.

## OPERATION

Adjust the alcohol level to under 50% with clean water. Check this with a Spirit Hydrometer or Alcometer.

Add the diluted spirit to the top reservoir and fit the lid in place and allow the spirit to pass through the filter into a collecting reservoir.





[www.stillspirits.com](http://www.stillspirits.com)

Your local Still Spirits stockist

Reorder# 800018