



Still Spirits
Auckland, New Zealand

www.stillspirits.com

Reorder# 800018

EZfilter

Fast, clean, easy to use.

Specifically designed for the maximum purification of alcohol or water.

System Kit Contains:

Upper 10 litre reservoir

Filter unit

Filter Cartridge

Lower 10 litre reservoir unit

Outlet



**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.**

Assembly

The filter is supplied with 2 reservoir bodies, the filter spindle, the filter cap the cartridge and the foam washers.

Fit the tap to the lower reservoir and place the lower lid on top.

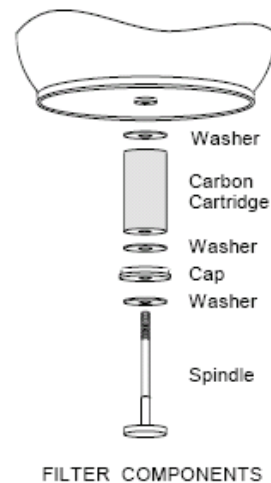
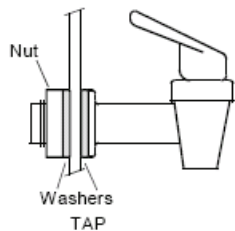
Remove the cartridge from its plastic wrap and the 3 washers from their pack.

Slide the other components onto the spindle where it projects below the base of the reservoir in the following order:

1. Bottom Cap
2. Washer
3. Cartridge
4. Washer
5. Top Cap
6. Washer

Screw the spindle into the base of the top reservoir by hand, taking care not to over tighten.

Sit the top reservoir onto the lid.



Operation

1. Pour 1 litre of clean water into the top reservoir and allow the water to drain through the filter. This is necessary to remove mineral salts from the carbon and to flush out any carbon dust.
2. Drain this water and wash out any carbon residue from the lower reservoir.
3. Adjust the alcohol level to under 50% with clean water. Check this with a Spirit Hydrometer or Alcometer.
4. 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.

Hints & Tips

- 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 water flush volume 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.