



TECHNICAL NOTES: EZ Filter System

The EZ FILTER System provides a complete solution for filtering distilled spirit.

COMPONENTS

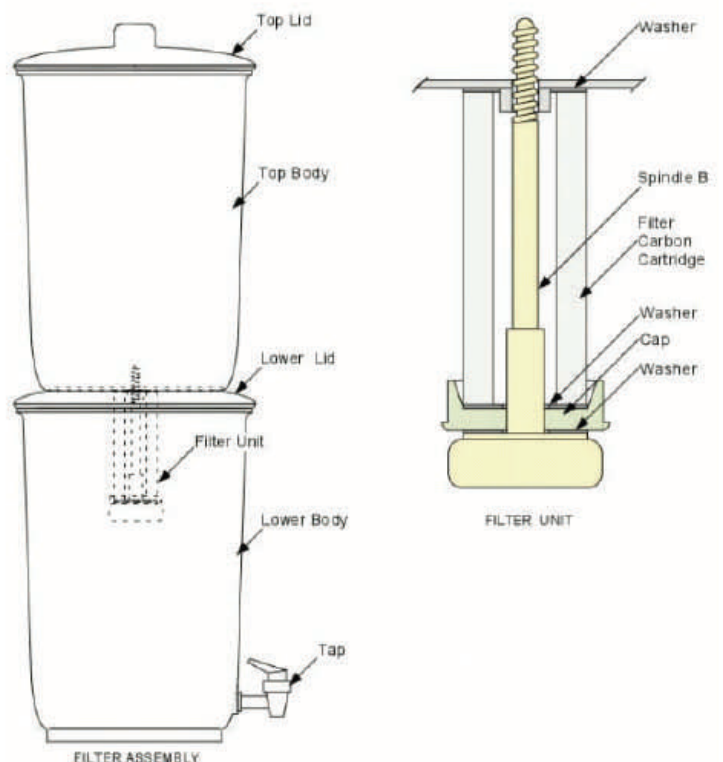
The EZ Filter unit consists of two 10 litre reservoir bodies, the filter spindle, the filter cap, the carbon cartridge and the foam washers.

ASSEMBLY

Assembly is very easy and full instructions are included with every system.

CARBON FLUSHING

As with all carbon cartridges, the EZ Filter's solid carbon cartridge needs to be flushed of the mineral salts which are present in the ingredients used for manufacturing activated carbon. This is simply done by running 1litre of clean water through the filter, before running the alcohol through.



EZ FILTER SOLID ACTIVATED CARBON BLOCKS

The EZ Filter uses a purpose designed blend of activated carbon which is prepared in a manner which causes the carbon crystals to become porous and develop a very large surface area. The result being that one gram of activated carbon may have 500 -1500 square metres of internal surface area. It is this large surface area and the many internal pores in the carbon that make this filter absorb many different chemical compounds, including those that cause unwanted flavours in the end spirit. The pore structure required for water purification is different from that required for distilled spirit purification and the EZ filter cartridges have been purpose designed with the ideal mix of activated pores to treat distilled spirit.

OPTIMUM FILTRATION

Optimum alcohol filtering results are obtained when the alcohol concentration is 50% or less. As alcohol is a solvent, concentrations higher than this may dissolve some by-products, making them difficult to remove. These by-products can then reform once spirit has been watered down. For this reason, we strongly recommend you advise your customers to adjust alcohol level before purification.

FILTRATION TIME

The filtration process takes approximately 10-15 hours. This can vary depending on conditions. slow passage ensures the spirit has the best chance of passing over the maximum amount of carbon area and thereby taking away the unwanted elements of the spirit. This will ensure the highest possible, neutral base spirit, particularly when used in conjunction with **Triple Distilled Yeast**.

CONSUMABLES

Each **Carbon Filter Cartridge** is good for one batch of spirit from a 25 litre still (i.e. about 8l of 50% spirit). Replacement carbon cartridges are available now.

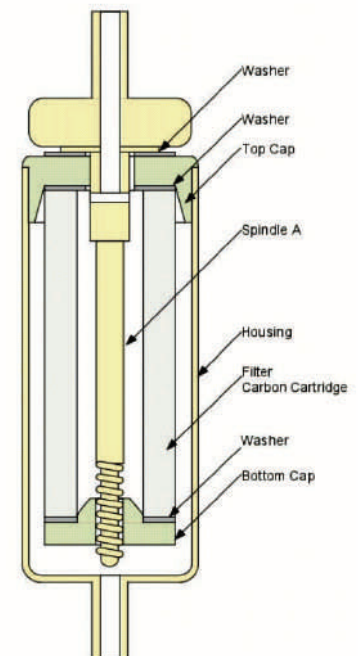
The **Foam Washers** are reusable for up to about three batches but need to be replaced when they no longer recover to their normal width.

EZ INLINE FILTER— *Upgrade path from the Z Filter System*

To up grade from the Z filter to the **EZ Inline Filter** system is easy. Simply replace the Z filter in your system with the EZ Inline filter. This makes it simple and cost effective for your customers to upgrade to the latest technology as they can utilize their existing reservoir pails

EZ FILTER SYSTEM PRODUCT RANGE

55450	EZ Inline Filter
55451	EZ Filter
55453	EZ Filter Carbon Cartridge
55454	EZ Filter 40mm washer (10 pack)



FEATURES / BENEFITS SUMMARY

- Revolutionary development in alcohol filtration
- Easy to use and assemble
- Purpose designed solid activated carbon blocks
- No messy powdered or granulated carbons to handle