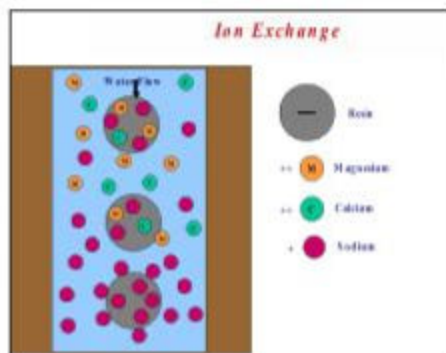


CHOOSING A FILTER FOR YOUR HOME COFFEE MACHINE

When selecting a water filter for your coffee machine you should consider 3 key areas of filter performance:

1. **Sediment Reduction**—removal of small particles such as dirt, sand & rust helps protect your ports, jets & flow paths. It also prevents the boiler from accumulating sediment which can form a 'sludge' in the boiler as well as acting as a catalyst for scale development.
2. **Chemical Reduction**—reduction of chemicals, specifically chlorine which greatly effect the taste of espresso (especially when heated) is essential.
3. **Total Hardness (TH) Reduction.** TH — refers to the presence of calcium & magnesium. Calcium & Magnesium precipitate to form scale. It is this scale that coats & layers on boiler surfaces, elements, valves & water flow paths. Scale build up can adversely affect water temperature, pressure, steam performance, water flow rate and taste. Whilst scale can be removed chemically, minimizing its formation through good filtration means that the machine performance does not deteriorate whilst greatly reducing service costs over the life of the machine.

Whilst most filters achieve the reduction of sediment and chemicals quite successfully, it is the scale reduction that creates the biggest challenge. The use of a water softener can reduce the TH reading down by up to 90%*. Water softening can be achieved by the use of an 'Ion Exchange Resin'. The process of ion exchange involves swapping magnesium & calcium ions for sodium ions (see diagram). reduces the TH down to a manageable level without greatly effecting the PH for serving espresso.



Total Dissolved Solids (TDS) is the total measure of all dissolved materials in your water. A reading of over 300 ppm means that you may require a different filter solution to normal—please contact us if your results are higher than specified.

Specifications—The filter systems presented in this information are designed to work for an average of 12 months in a home situation. This is based on a TH range of up to 160PPM and a TDS of under 300ppm.

HOW DO I FIND OUT MY TH & TDS?

This information is freely available from your water authority—they usually have it on their website or just call and ask for the most recent results. You can also get testing strips and TDS meters available on our website. There can be seasonal variations so get minimum and maximum readings.

My water is not that hard, do I still need a filter that softens the water?

The 'heating & cooling' of water is what primarily facilitates scale forming deposits to occur. Home use machines are generally turned on and off more often than commercial machines, making them more prone to scale development (even in relatively soft water areas). Smaller boilers can also accentuate this further. A good combination softening system can minimize any level of TH to make the issue of scale manageable.

* the level of reduction can vary according to resin type & hardness level

Bombora has come up with a number of solutions for filtering your tap water for both drinking water and/or espresso machine use in the home. If none of these suit then call us to discuss further on 1300 724 249.

1. Undersink Water Filter System with dedicated Tap— C150KIT

System Features:

- 3 stage Brita Finest filter for effective sediment, chemical and TH reduction.
- Blending valve on the head to adjust for softer and harder water areas.
- DIY install kit - includes all fittings included for standard install (suits any [cold water connection] mixer tap or dishwasher).
- Shut off valve on head for easy filter changes
- Quality Designer 'Goose Neck' Faucet for easy use and long life.
- Multifunction Pressure Limiting 'T' Valve for easy installation & protection.
- 10 test strips to monitor filter performance in the reduction of TH.
- Filter suitable for 12 months for most household installations.
- Fits in with most mixer or dishwasher taps(cold)

Filter System **C150KIT**

Replacement Filter **1017517**



2. UPGRADE your existing filter system with the C150 upgrade kit

If you have an existing system you can change the body over in less the 2 minutes. The C150upgrade includes the head & filter assembly with 1/4 push fit connections used by most water filter companies. Instructions included.

Filter System **C150UPGRADEKIT**

Replacement Filter **1017517**



3. I want the C150 kit (or have a suitable system) BUT want to also TEE off to plumb in my machine

The Tee kit creates a flow path after your filter to your coffee machine. The 3/8" female fitting will fit most plumbed machines. The TEE kit also has an isolation tap, swivel elbow (which can be removed if required) and 2 meters of 1/4" poly hose.

TEE Kit

Suits 1/4" poly line



4. Have an existing system that you want to keep? Add on an 'Inline softening KIT'

If you already have a regular water system installed that you would like to keep—you can add the IN1218-2K inline after your existing system (and before your tap) to reduce TH. The special blend of softening resins reduces TH by around 90% whilst maintaining an ideal PH for espresso. Based on a moderate hardness & normal household use this filter will usually last 12 months. Four TH test strips are included with the kit to help monitor filter performance during the first filter use to gauge an ideal change over period.

NB: if you have an existing system—we stock most replacement cartridges for most brands

Filter Add on Kit **IN1218-2K**
Replacement Filter **IN1218-2**



5. Want to plumb your machine straight in—C150PLVKIT

All you need is a standard 1/2" male tap and you can connect this kit yourself. It has a 350KPA PLV, 1.5 metres of flexible high pressure poly hose. Finest C150 filter and head assembly. The outlet of the head is 3/8 male and fits most braided hoses provided standard with most machines. If you want to plumb direct but need a different set up - just call us on 1300 724 249 so we can modify to suit.

Filter System **C150PLVKIT**
Replacement Filter **1017517**



6. Don't want any plumbing? Try a bench top system

Bench top filters sit neatly next to your sink and connect easily to the end of most kitchen faucets. The diverter valve at the faucet means that you can choose between running water through the filter OR just use your kitchen tap as normal.

The units below include a combination filter that has carbon and softening resin media offering sediment, chemical and softening capacity.

For health and safety reasons—the filter should be changed at least every 12 months—irrelevant of use. For busy households—6 month change is recommended. TH strips will indicate if the softener is still working.



10 pack of
TH test strips



Filter System **BCTF-SOFT**
Replacement Filter **CFS117S-R**

Filter System
Replacement Filter

SA168-NF-SOFT
CFS117S-R