



Complete Home Filtration CHF-6000 Technical Sheet

Overview

The Complete Home Filtration system is recommended whenever it is necessary or desirable to improve the chemical and organoleptic characteristics of the water entering the home. The unit is installed on the main water inlet pipe that feeds the entire home, providing filtered, softened water to every connected tap and outlet.

This filtration system has been specifically designed to address the common shortcomings of Australian water by removing up to 98% of Chlorine, chloramine, VOC's, heavy metals, and many other impurities found in tap water, significantly improving taste and odour. The entire system comprises 4 stages of water filtration and softening, performed by 3 individual cartridges.

Stage One - 1 Micron Pre-Filter

The sediment pre-filter system reduces sand, silt, sediment and debris in the supplied water, down to 1 or 5 microns (a human hair is approximately 70 Microns) in size. Routine replacement of this sediment filter will increase the whole system's effectiveness and protect plumbing and appliances from erosion or clogging from excess sediments.

Stage Two - Ion Exchange Softening Resin

This specially developed water-softening resin changes the molecular structure of damaging magnesium and calcium compounds as they flow through the filter. These compounds are responsible for the limescale build-up and hard water issues that reduce the efficiency of water heaters and shorten the lifespans of water-using appliances such as coffee machines, kettles, irons, dishwashers, and washing machines. The resin works by exchanging Ca^{2+} & Mg^{2+} to Na^{+} or H^{+} as water passes through the resin, significantly reducing limescale damage for homes in areas with hard water.

Stage Three - GAC / KDF-55 or 1 Micron Carbon Block

The Granular Activated Carbon (GAC) medium utilises high-grade carbon to remove a wide range of chemicals and impurities, filtering down to a single micron. We also include a patented bacteriostatic copper-zinc reduction oxidation media (KDF-55) for the purpose of preventing and reducing the potential growth of bacteria and algae and for the further reduction of heavy metals. These media are designed to filter chlorine, chloramines, pesticides, herbicides, pharmaceuticals, industrial solvents, heavy metals, and hundreds of other contaminants that may be present in your water.

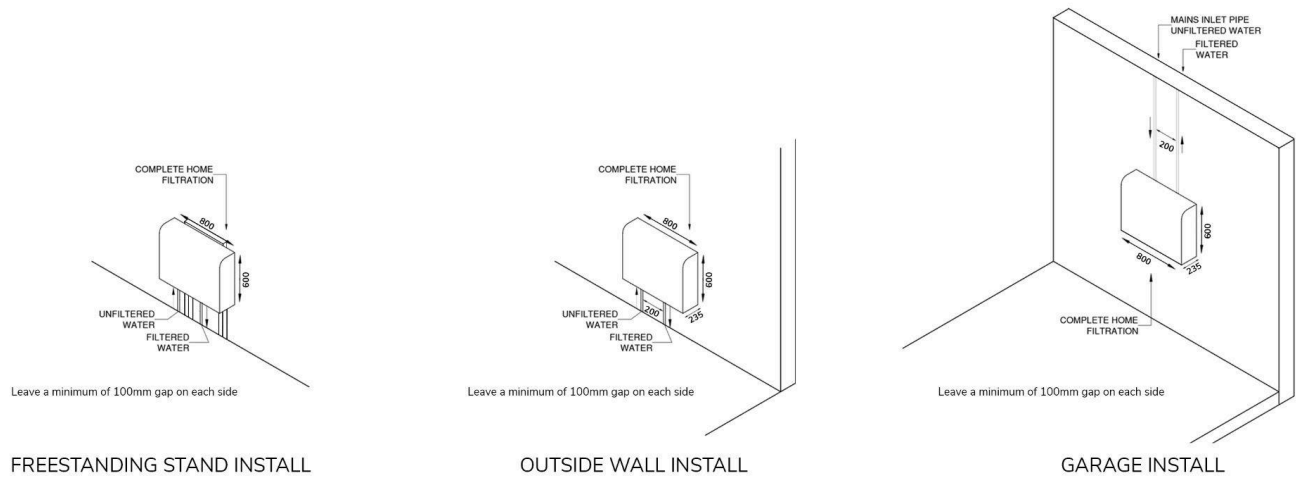
With average filter use, each filter is effective for approximately 6 to 12 months depending on water quality and usage.

Material conforms to FDA grade, AS3718 Standard

Watermark Certification #023341

Flow 32 to 48 LPM

Operational pressure 29 PSI (2 Bar) - 87 PSI (6 Bar) // Operational temperature 4C - 40C



Width: 800mm / Depth: 235mm / Height: 600mm

Warranty: 2 years standard (Can be extended to 4 years)

Weight: Approximately 23kgs

7 years on workmanship

Installation must be performed by a licensed plumber

Shipping Information

The CHF-6000 system is shipped in one box containing the filtration system in frame and waterproof cover along with one large wrench for tightening and unscrewing the filter housing. All filter cartridges are included in initial purchase unless advised. Mounting frame available at an additional cost of \$100.

Filter Replacement Information

1. Remove UV protective case by unscrewing screws on the side of the cover.
2. Switch the system to bypass mode by turning all three levers to a horizontal position.
3. Relieve pressure by pressing any one of the three red pressure relief button on the housings. (There will be a small spray of water and the guages will drop.)
4. Loosen the filter housings using the supplied wrench (turn left) and remove old filters.
5. Remove all packaging from new filters and insert into housings in the same order as you removed them (e.g- Sediment A, Resin B, Carbon C, other setups exist please consult the filter replacement team if unsure of the order), making sure filters are properly seated in housings and that any rubber 'O' rings are seated in place.
6. Hand tighten housings with wrench until firm. **DO NOT OVER TIGHTEN**
7. Turn system back on by returning all three levers to a vertical position.
8. Turn on a downstream outside tap, if none available then an inside non-mixer cold water tap.
9. Allow water to run for 5 minutes to flush the system. (This will allow the air to escape the system and flush out any foreign bodies)
10. Close down stream tap and check for leaks.