

The Complete Home Filtration system is recommended whenever it is necessary 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, ensuring that tap water throughout the home tastes great.

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

1 OR 5 MICRON PRE FILTER

The sediment pre-filter system reduces sand, silt and debris in the supplied water, down to 1 or 5 micron in size.

Routine replacement of this sediment filter will increase the effectiveness and protect plumbing and appliances from excess sediment.



SOFTENING RESIN OR SP3

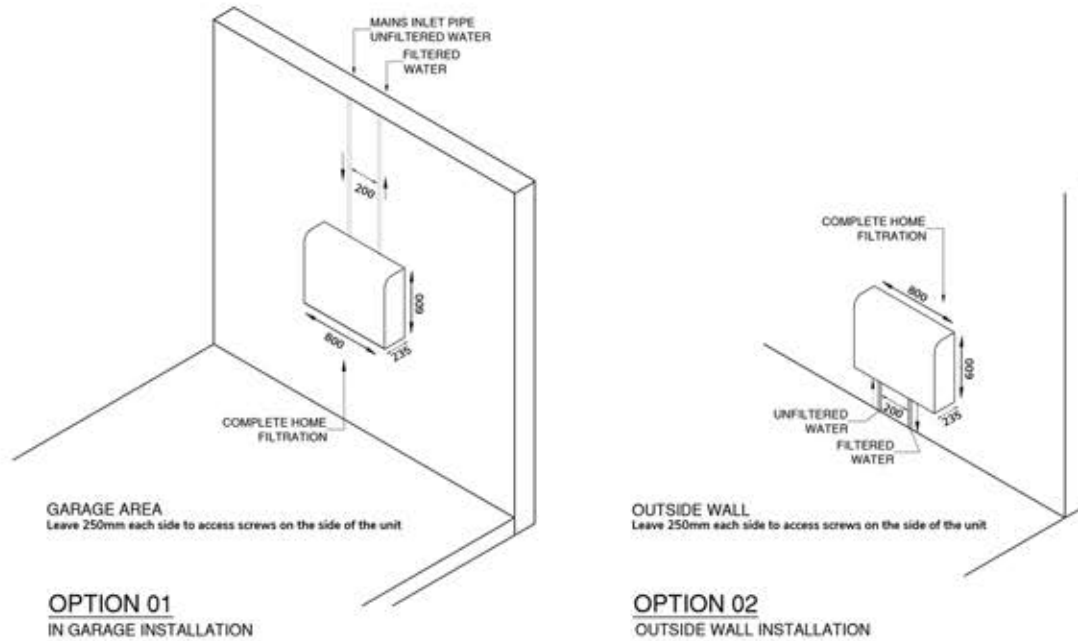
This specially developed water softening resin changes the molecular structure of damaging magnesium and calcium compounds as they flow through the filter. These compounds are responsible for the "limescale build up" issues found throughout some homes which also leads to less efficiency from water heaters and lessens the lifespan of water using appliances such as coffee machines, kettle, iron, dishwasher and washing machines. It works by exchanging Ca^{2+} & Mg^{2+} to Na^{+} or H^{+} as water passes through the resin which can reduce the negative effects of hard water throughout the home.

The healthiest and most effective way to prevent scale. SP3 is a smarter alternative to traditional ion exchange based regenerating salt water softeners which can be harmful to human health and the environment. CHF Scale Prevention is environmentally friendly, cost effective and completely takes care of the primary cause of scale formation via Ca^{2+} and Mg^{2+} . The media eliminates scale without the need to add sodium to water and through the Nucleation Assisted Crystallisation process retains calcium and magnesium minerals which are essential for the nervous system and muscles function. Once placed in filter housing flush for 5 minutes prior to use.

GAC / KDF 55 OR 1 MICRON CARBON BLOCK

Granular Activated Carbon Media (GAC) – utilizes a blend of high-grade coconut shell and bituminous coal based activated carbons in the Complete Home Filtration system. The purpose of combining two types of carbons is to gain a wider range of contaminant filtering capabilities offered from each type of carbon. Copper and Zinc Oxidation Media (KDF-55) - We also include a patented bacteriostatic copper-zinc reduction oxidation media 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. Once placed in filter housing flush for 5 minutes prior to use.



Width: 800mm Depth: 235mm Height: 600mm
 Operating Pressure 29 PSI (2 Bar) - 87 PSI (6 Bar)
 Warranty 2 years standard (Can extend to 4 years)
 7 years on workmanship
 Operating Temp 4-55 °C Max Flow Rate 32/48 Litres per minute
Installation must be installed by a licenced plumber

SHIPMENT INFORMATION

The CHF-6000 system is shipped in one box containing 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 costs of \$100.

REFERENCE CHART

NAME	TYPE	SHAPE	SIZE
Bacillus anthracis	Bacterium	Rod	Length 3-5um Dia: 1-1,2um
Cryptosporidium	Cyst	Oval	4-5um
E-Coli (Escherichia coli)	Bacterium	Rod	Length: 2um Dia: 0.5um
Giardia Lamblia	Cyst	Oval	6-10um
Salmonella	Bacterium	Rod	Length: 2um Dia: 0.7um

Source: Wikipedia.org