



CHF SYSTEM TECHNICAL SHEET



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. Standard configuration detailed below:

1 OR 5 MICRON PRE FILTER

The sediment pre-filter system reduces sand, silt, sediment and debris in the supplied water, down to 1 or 5 micron (a human hair is approximately 70 Microns) in size. Material conforms FDA grade. Operational Pressure / Temp: 120 psi / 60o C (140o F). Routine replacement of this sediment filter will increase the effectiveness and protect plumbing and appliances from excess sediment.

With average use, each filter is effective for approximately 6 to 9 months depending on water quality.

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.

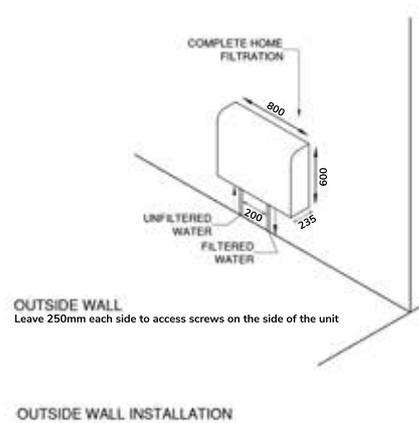
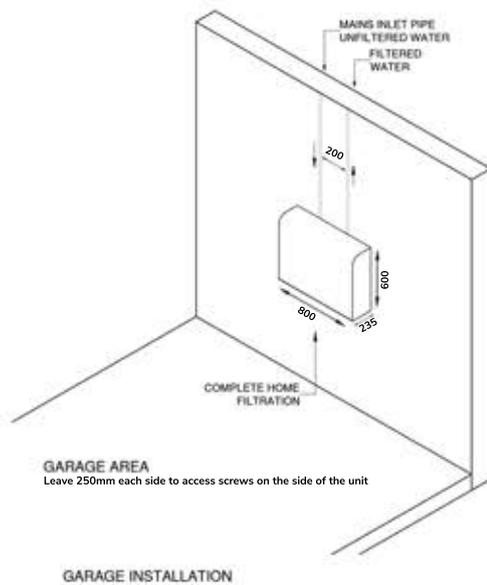
Material conforms to FDA grade. Operational Pressure / Temp: 120 psi / 60o C (140o F). Suggested life 12 months or 10,000 GAL. Once placed in filter housing flush for 5 minutes prior to use.

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.

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. Material conforms to FDA grade. Operational Pressure / Temp: 120 psi / 60o C (140o F). Suggested life 12 months or 10,000 GAL. Once placed in filter housing flush for 5 minutes prior to use.



Complete Home Filtration Specs

Width: 800mm Depth: 235mm Height: 600mm
 Certifications: Watermark
 Cartridge Size Jumbo 4.5" X 15"
 Operating Pressure 29 PSI (2 Bar) - 87 PSI (6 Bar)

Warranty 2 years standard
 (Can extend to 3 years)
 7 years on workmanship
 Operating Temp 4-55 °C
 Max Flow Rate 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	Link
Bacillus anthracis	Bacterium	Rod	Length: 3-5um, dia: 1-1.2um	Wikipedia.org: Bacillus Anthracis
Cryptosporidium	Cyst	Oval	4-5um	Wikipedia.org: Cryptosporidium
E-Coli (Escherichia coli)	Bacterium	Rod	Length: 2um, dia: 0.5um	Wikipedia.org: Ecoli
Giardia Lamblia	Cyst	Oval	6-10um	Wikipedia.org: Giardia
Salmonella	Bacterium	Rod	Length: 2um, dia: 0.7um	Wikipedia.org: Salmonella