



CHF-RO50 EWS COMPLETE HOME FILTRATION REVERSE OSMOSIS SYSTEM.

Technical Sheet

The CHF-RO system is recommended whenever it is necessary to REMOVE ALL IMPURITIES FROM DRINKING WATER to ensure absolute drinking water quality. The unit is installed on the main drinking water pipe and can be plumbed into either the supplied slimline faucet, cooler or fridge. This filtration system utilises a further 5 stages of filtration technology and removes organic and inorganic minerals, heavy metals and fluoride.

Stage 1: 2.5"x10", Sediment PP Filter Cartridge (NSF42 Certified)

Replace Every 6 Months OR every 12 if part of the premium system.

Removes suspended matter such as silt, rust sand, algae, sediment, scale particles, dirt and cloudiness from the water.

Stage 2: 2.5"x10", Granular Coconut Shell Activated Carbon White Housing / Green cap (NSF42 media compliance)

Replace every 6- 12 months depending on water quality.

Working via adsorption as the primary mechanism this filter effectively removes chlorine, THM's, organic contaminants, pesticides, lead and mercury.

Stage 3: 2.5"x10" 5 Micron Coconut Shell Activated Carbon block Filter cartridge (NSF42 Cert)

Replace Every 6- 12 Months

Removes herbicides, pesticides, chlorine, chlorine bi-products and Volatile organic compounds (VOC's) to protect the membrane.

Stage 4: 50GPD RO Membrane Aspring Brand (NSF42 Cert)

Replace Every 1-4 Years (Depending On Water Quality)

Removes Over 98% of Impurities including Organic & Inorganic Minerals, Heavy Metals & Fluoride

Stage 5: 2"x10" Inline post GAC Filter Cartridge, White housing, ¼"NPTE (NSF42 Cert)

Replace Every 12 Months

Polishes the water and removes any taste or odour water may have picked up while sitting in the tank.

Please note: This drinking water system is for potable water supplies only. Do not use this system where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system. This system must be installed out of direct sunlight and must be mounted in a vertical position. The storage tank can be placed on its side without affecting performance of the system.

A drainage outlet is required for this system. System performance may vary according to water conditions. Actual Production / Flow rates vary according to temperature, pressure, TDS levels, membrane variations and customer usage.

THE ADDITION OF THE CHF-RO50 CONVERTS THE CHF-6000 TO THE CHF-6200 PREMIUM SYSTEM



Specifications

Specification Description	CHF- RO50
Max Flow Rate	12 LPM
Max Operation Pressure	100 PSI
TDS	<1800 mg/L
Operating Temperatures	4 - 40 °C
PH Range	Neutral

DIMENSIONS: Width:370mm Depth 210mm Height 390mm

Features

0.0005 Micron rating for maximum removal of impurities. Fluoride removal.

Simple Installation Kit included

5 Stage Filtration System with NSF42 certified filtration media (included RO Membrane)

Stainless Steel frame and bracket. Filters included.

Standard installation is 18L tank, if limited space options of 12L and 8L available. Double O ring housing.

*Complete standard accessory kit set: Platted feeding ball valve, feeding valve, tap faucet, tank valve (Jaco connector), PE tubes (x 7M), Wrench of EGS & membrane housings, drain saddle valve, 4 way valve, 300 flow restrictor (flow valve) check valve.

Shipment

The CHF-RO50 system is shipped in 2 boxes: one containing the 5 stage filtration system in stainless steel frame; the second containing the reservoir storage tank. All filter cartridges are included in initial purchase unless advised.

Box Sizes: 180X420X430 Net Weight 8.2kgs ; 280X280X370 Net Weight: 3.8kgs

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