

This system has been tested according to NSF/ANSI 42 and 53 for reduction of the substances listed below in Table I & Table II. The concentration of the indicated substances in the water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI 42 and 53.

TABLE I

Contaminant	Influent Challenge Concentration	Reduction Requirement	Average Reduction Efficiency
<i>Standard 42 – Aesthetic Effects.</i> Taste, Odour, Chlorine Reduction	2.0 mg/L ± 10%	≥ 50%	> 98%
<i>Standard 53 – Health Effects - Cyst Reduction</i>	Minimum 50,000/L	≥ 99.95%	≥ 99.95%
<i>Standard 53 – Health Effects.</i> Volatile Organic Chemical (VOC) Reduction*	0.298 mg/L	≥ 95%	> 95%
<i>Standard 53 – Health Effects. Lead Reduction</i>	0.15 mg/L ± 10%	≥ 93%	> 95%



* - Substantiated using chloroform reduction of 98.8% as a surrogate.

VOC reduction means that the system reduces the concentration of all the contaminants listed in Table II by > 95%.

TABLE-II

alachlor	1,2-dichloroethane	1,1,2,2-tetrachloroethane	tetrachloroethylene
atrazine	1,1-dichloroethylene	heptachlor (H-34, Heptox)	toluene
benzene	cis-1,2-dichloroethylene	heptachlor epoxide	2,4,5-TP (silvex)
carbofuran	trans-1,2-dichloroethylene	hexachlorobutadiene	tribromoacetic acid
carbon tetrachloride	1,2-dichloropropane	hexachlorocyclopentadiene	1,2,4-trichlorobenzene
chlorobenzene	cis-1,3-dichloropropylene	lindane	1,1,1-trichloroethane
chloropicrin	dinoseb	methoxychlor	1,1,2-trichloroethane
2,4-D	endrin	pentachlorophenol	trichloroethylene
dibromochloropropane (DBCP)	ethylbenzene	simazine	xylene (total)
o-dichlorobenzene	ethylene dibromide (EDB)	styrene	trihalomethanes (includes)
p-dichlorobenzene	haloacetonitriles (HAN)	haloketones (HK)	chloroform (surrogate chemical)
	bromochloroacetonitrile		bromoform
	dibromoacetonitrile		1,1-dichloro-2-propanone
	dichloroacetonitrile		1,1,1-trichloro-2-propanone
	trichloroacetonitrile		chlorodibromomethane

The standards referenced above evaluate performance for use with disinfected water.

Additional testing and verification for reduction of the contaminants in Table III has been performed by independent laboratory.

TABLE III

Contaminant	Influent	Average Effluent	Reduction Efficiency	Log Reduction
BACTERIA				
E.Coli (Faecal Coliform)	7.95 x 10 ⁹	32	> 99.999999%	8 log
Serratia marcescens	1.45 x 10 ⁸	< 3.3	> 99.999999%	7 log
Salmonella typhimurium (Typhoid)	4.35 x 10 ⁷	< 3.3	> 99.999999%	7 log
Vibrio Cholera (Cholera)	1.00 x 10 ⁷	< 3.3	> 99.999999%	7 log
Shigella dysenterie (Dysentery)	1.75 x 10 ⁷	< 3.3	> 99.999999%	7 log
Klebsiella terrigena	6.5 x 10 ⁷	< 3.3	> 99.999999%	7 log
PARTICULATES				
0.3 micron particulate			99.99%	4 log

- All testing performed under standard laboratory conditions. Actual performance may vary.
- Note:** Contaminants reduced by this filter are not necessarily present in water. Individuals requiring water of specific microbiological purity should follow the advice of their doctor or local health unit.

Technical Specifications

Rated service flow - 0.75 US GPM (2.83 LPM)
 Operating Temp - 4°C (39°F) min. to 38°C (100°F) max.
 Working Pressure - 20 psi (137 kPa) min. to 100 psi (689 kPa) max

Filter Cartridge Model	Rated Cartridge Life
CF2	Up to 6 months or 375 US gal (1419 Liters)
LR1	Up to 6 months or 375 US gal (1419 Liters)
1M	Up to 12 months or 1000 Us gal (3785 Liters)

General Operation & Maintenance: See product manual for maintenance instructions. User is responsible for general maintenance.

Warranty – Limited 5 year warranty. See product manual for details.

For replacement parts contact Rainfresh

PERFORMANCE DATA SHEET

