

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. This system is also tested to CSA B483.1

**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.</i> Cyst Reduction	Minimum 50,000/L	≥ 99.95%	≥ 99.95%
<i>Standard 53 – Health Effects.</i> Volatile Organic Chemical (VOC) Reduction <sup>(1)</sup>	0.298 mg/L	≥ 95%	> 95%
<i>Standard 53 – Health Effects.</i> Lead Reduction	0.15 mg/L ± 10%	≥ 93%	> 95%



<sup>(1)</sup> –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	xylenes (total)
o-dichlorobenzene	ethylene dibromide (EDB)	styrene	trihalomethanes (includes)
p-dichlorobenzene	haloacetonitriles (HAN) bromochloroacetonitrile dibromoacetonitrile dichloroacetonitrile trichloroacetonitrile	haloketones (HK) 1,1-dichloro-2-propanone 1,1,1-trichloro-2-propanone	chloroform (surrogate chemical) bromoform bromodichloromethane chlorodibromomethane

- Do not use on water that is microbiologically unsafe without adequate disinfection before or after the unit. The system may be used on disinfected water that may contain filterable cysts
- 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\*

\*If water pressure can exceed 100 psi, a pressure regulator and water hammer arrestor must be installed before the filter. Recommended regulator setting is 60 - 75 psi.

Filter Cartridge Model	Rated Cartridge Life
QLV	<ul style="list-style-type: none"> <li>350 US gal (1,324 L) or 6 months for models QS1, QS1K &amp; QSIM</li> <li>250 US gal (946 L) or 4 months for model QS1X &amp; QSIMX</li> </ul>

**General Operation, Monitor Function & Maintenance**

See product manual for maintenance instructions. User is responsible for general maintenance.

**Warranty**

Limited 1 year warranty. See product manual for details.

For replacement parts contact Rainfresh.

**PERFORMANCE DATA SHEET**

