Rainfresh Drinking Water System
Models – QS2, QS2K, QS2X

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
Standard 42 – Aesthetic Effects. Taste, Odour, Chlorine Reduction	2.0 mg/L ± 10%	≥ 50%	> 98%
Standard 42 – Aesthetic Effects. Taste, Odour, Chloramine Reduction(1)	2.0 mg/L ± 10%	≥ 50%	> 98%
Standard 53 – Health Effects. Cyst Reduction	Minimum 50,000/L	≥ 99.95%	≥ 99.95%
Standard 53 – Health Effects. Volatile Organic Chemical (VOC) Reduction(2)	0.298 mg/L	≥ 95%	> 95%
Standard 53 – Health Effects. Lead Reduction	0.15 mg/L ± 10%	≥ 93%	> 95%

(1) – Tested as monochloramine

(2) - Substantiated using chloroform reduction of 98.8% as a surrogate.

Drinking Water
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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.

Filter Cartridge Model	Rated Cartridge Life
QCA	250 US gal (946 liters) or 4 months
QLV	250 US gal (946 liters) or 4 months

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

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

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