

QS1

Drinking Water System



Rainfresh QS1 TWIST Drinking Water System is a high performance and easy-to-use system designed to deliver high quality drinking water at a fraction of the cost of bottled water.

Featuring the all-new TWIST design from Rainfresh, the QS1 system reduces a wide range of chemical, organic, inorganic and metallic contamination. It reduces:

- Lead
- Volatile Organic Compounds (see table below)
- Parasites (Giardia & Cryptosporidium cysts)
- Chlorine
- Taste
- Odour
- Sediment

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

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.

FEATURES



EASY TWIST ON & TWIST OFF DESIGN

Easy Cartridge Changes TWIST ON or TWIST OFF

Rainfresh QS1 TWIST system features a unique quick change design that enables cartridge replacement in 3 easy steps without having to turn the water off. Just hold and twist off to remove and twist on the new cartridge.



Ceramic disc chrome faucet

QS1 includes an all-chrome ceramic disc faucet and all fittings and tubing necessary to install the unit.

Electronic Monitor – Indicates cartridge replacement time

QS1 filter system features a fully metered “Cartridge Life Monitor” that counts the actual amount of water used. At the end of rated filter life or 6 months (whichever is earlier), the monitor LED blinks to indicate that cartridge need replacement. This unique feature helps maintain the efficiency of the filter system.



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INSTALLATION

The QS1 system is designed for undersink or any other wall mounted remote location from where tubing can be run to the faucet. The unit should not be installed more than ten feet away from the faucet.



TECHNICAL SPECIFICATIONS

- Rated service flow - 0.75 US GPM (2.83 LPM)
- Inlet/Outlet - 1/4" Tube
- Feed Water Temp - 4°C (39°F) min. to 38°C (100°F) max.
- Working Pressure - 40 psi (min) to 100 psi (689 KPa) max.

* A pressure regulator and/or water hammer arrestor must be installed before the unit to protect the unit from damage caused due to high pressure. Pressure regulator must be set for 75 psi or less.



SYSTEM DIMENSIONS

MODEL	Unit Width	Unit Height	Unit Depth	Monitor Type
QS1	3"	12"	3.25"	Flow & Time

Allow at least 3" clearance below the unit for easy cartridge removal



REPLACEMENT CARTRIDGE

Filter Cartridge Model	Cartridge Type	Rated Cartridge Life*
QLV	High grade activated carbon block cartridge for Lead & chemical reduction	250 gal (946L)

* - Cartridge life may vary with water quality and usage.

Optional cartridge for Chloramine reduction

Filter Cartridge Model	Cartridge Type	Rated Cartridge Life*
QCA	Activated carbon block cartridge for chloramine & chlorine reduction	250 gal (946 L)



TESTING & CERTIFICATION



Tested and certified by CSA International to CSA B483.1 and to NSF/ANSI 53 for reduction of Lead, VOC & Cyst, and to NSF/ANSI 42 for reduction of chloramine, chlorine, taste and odour.

2 year limited warranty

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