

Rainfresh Drinking Water System

Model – UCS2



This system has been tested according to NSF/ANSI 42 and 53 for reduction of the substances listed below in Table I. 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.

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> Lindane Reduction	0.0025 mg/L (Average)	≥ 90%	99%

TABLE- I

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



Tested & certified by CSA International to NSF/ANSI Standard 53 for reduction of Cyst (e.g. Cryptosporidium & Giardia) & Lindane and to Standard 42 for reduction of chlorine, taste & odour

Additional testing and verification for reduction of the following contaminants (Table II) has been performed by independent laboratory.

Contaminant	Influent	Average Effluent	Reduction Efficiency	Log Reduction
BACTERIA				
E.Coli (Faecal Coliform)	7.95×10^9	32	> 99.999999%	8 log
Serratia marcescens	1.45×10^8	< 3.3	> 99.99999%	7 log
Salmonella typhimurium (Typhoid)	4.35×10^7	< 3.3	> 99.99999%	7 log
Vibrio Cholera (Cholera)	1.00×10^7	< 3.3	> 99.99999%	7 log
Shigella dysenterie (Dysentery)	1.75×10^7	< 3.3	> 99.99999%	7 log
Klebsiella terrigena	6.5×10^7	< 3.3	> 99.99999%	7 log
PARTICULATES				
0.3 micron particulate			99.99%	4 log

TABLE- II

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	4 months or 375 US gal (1419 Litres)
1M	12 months or 1000 Us gal (3785 Litres)

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 your nearest Rainfresh dealer.



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PERFORMANCE DATA SHEET