

Rainfresh Drinking Water System

Model – FC000/1M



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
Standard 42 – Aesthetic Effects. Taste, Odour, Chlorine Reduction	2.0 mg/L ± 10%	≥ 50%	> 98%
Standard 53 – Health Effects. Cyst Reduction	Minimum 50,000/L	≥ 99.95%	≥ 99.95%

TABLE- I

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

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 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 dysenteriae (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

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

- Filter cartridge model - 1M or 7701
- Rated cartridge life - 12 months or 1,000 US Gal (3,785 L)
- Rated service flow - 1 US GPM (3.785 LPM)
- Inlet/Outlet connections - ¾" FNPT.
- Operating Temperature - 4°C (39°F) minimum to 38°C (100°F) maximum.
- Working Pressure - 20 psi (137 kPa) min. to 100 psi (689 kPa) max



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.

PERFORMANCE DATA SHEET



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