

The SM4 and SM4U systems have been tested according to NSF/ANSI 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 53.

Contaminant	Influent Challenge Concentration	Reduction Requirement	Average Reduction Efficiency
<i>Standard 53 Health Effects. Cyst Reduction</i>	Minimum 50,000/L	≥ 99.95%	≥ 99.95%



TABLE - I

The standard referenced evaluates products for use on disinfected waters.

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
<b>BACTERIA</b>				
E.Coli (Faecal Coliform)	7.95 x 10 <sup>9</sup>	32	> 99.999999%	8 log
Serratia marcescens	1.45 x 10 <sup>8</sup>	< 3.3	> 99.99999%	7 log
Salmonella typhimurium (Typhoid)	4.35 x 10 <sup>7</sup>	< 3.3	> 99.99999%	7 log
Vibrio Cholera (Cholera)	1.00 x 10 <sup>7</sup>	< 3.3	> 99.99999%	7 log
Shigella dysenterie (Dysentery)	1.75 x 10 <sup>7</sup>	< 3.3	> 99.99999%	7 log
Klebsiella terrigena	6.5 x 10 <sup>7</sup>	< 3.3	> 99.99999%	7 log
<b>PARTICULATES</b>				
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 - 7500G (Model SM4) / 7300G (Model SM4U)
- Rated cartridge life - Up to 12 months or 1,000 US Gal (3,785 L)
- Operating Temperature - 4°C (39°F) minimum to 38°C (100°F) maximum.
- Max Flow Rate - The flow rate of the SM4 and SM4U units is up to 0.8 U.S. gal./hr / 2.9 L/hr with a full top container.  
Note: Flow rate will reduce as top container empties

**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 Rainfresh.

PERFORMANCE DATA SHEET

