

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.

TABLE I

| Contaminant  | Influent Challenge Concentration | Reduction Requirement | Average Reduction Efficiency |
|--|----------------------------------|-----------------------|------------------------------|
| <i>Standard 42 – Aesthetic Effects.</i><br>Taste, Odour, Chlorine Reduction                      | 2.0 mg/L ± 10%                   | ≥ 50%                 | > 98%                        |
| <i>Standard 42 – Aesthetic Effects.</i><br>Taste, Odour, Chloramine Reduction <sup>(1)</sup>     | 2.0 mg/L ± 10%                   | ≥ 50%                 | > 98%                        |
| <i>Standard 53 – Health Effects.</i><br>Cyst Reduction   | Minimum 50,000/L                 | ≥ 99.95%              | ≥ 99.95%                     |
| <i>Standard 53 – Health Effects.</i><br>Volatile Organic Chemical (VOC) Reduction <sup>(2)</sup> | 0.298 mg/L                       | ≥ 95%                 | > 95%                        |
| <i>Standard 53 – Health Effects.</i> Lead Reduction  | 0.15 mg/L ± 10%                  | ≥ 93%                 | > 95%                        |



<sup>(1)</sup> – Tested as monochloramine

<sup>(2)</sup> - Substantiated using chloroform reduction of 98.8% as a surrogate.

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)<br>bromochloroacetonitrile<br>dibromoacetonitrile<br>dichloroacetonitrile<br>trichloroacetonitrile | haloketones (HK)<br>1,1-dichloro-2-propanone<br>1,1,1-trichloro-2-propanone | chloroform (surrogate chemical)<br>bromoform<br>bromodichloromethane<br>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

