

# Iron & Manganese Filtration System

- Rugged
- Reliable
- Effective

## A Whole House Iron & Manganese Filtration System That's Fully Automatic

A RainSoft Iron & Manganese Filtration System provides a reliable supply of quality water with minimum attention. Great for solving special water problems, the system is built for long life and trouble-free operation.

*RainSoft*<sup>®</sup>

Water Treatment Systems

A Division of Aquion Partners L.P.

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### Filtration System Features



**Tank-Within-A-Tank Construction**

Rugged tank is wound with over 3 miles of glass filament for extraordinary strength. Inside there's another tank of sanitary plastic so your drinking water will never touch the interior fiberglass surface.

**Exclusive Composite Valve** Uses advanced NORYL™ composite material to enhance dimensional integrity and protect the valve from expansion or shrinkage due to pressure and temperature demands.

**Electro-Mechanical Controller**

Simple yet versatile controls allow you to set the system for the exact quality and usage you desire. Many other treatment systems do not feature controls this versatile.

**Handy Guest Tab** A simple push of the tab starts a complete regeneration cycle giving you extra treated water if and when needed.

**Automatic Bypass During Regeneration**

Eliminates the inconvenience of being without water.

### Filter Media

**BIRM** This media has been selected for its efficient and economical method of removing ferric iron and manganese compounds from raw water supplies. It maintains a long material life with relatively low attrition loss, a wide temperature performance range and extremely high removal efficiency.

**NOTE:** Tank size and local water pressure will affect the operating flow rate of the unit.

## The smart, economical way to solve severe water problems in your home.

### Application Limitations:

Incoming water should contain no oil or hydrogen sulfide; organic matter not to exceed 4-5 ppm; dissolved oxygen content to equal at least 1.5% of iron content with a pH of 6.8 or more. If influent water has pH of less than 6.8, dissolved chemicals such as soda ash may be used to raise pH. Chlorination greatly reduces Brim's activity and dosages should be held at a minimum Brim may also be used for manganese removal. In these applications, the water to be treated should have a pH of 8.0 - 9.0 for best results. If water also contains iron, pH should be below 8.5. High pH conditions may cause formation of colloidal iron, which is very difficult to filter out. Well pumps must produce greater flow rate than require backwash flow rate. Maximum practical limit of Iron Fe (++) is 10 ppm; Manganese Mn (++) is 2 ppm. Actual results may vary based on local water conditions.

### Maintenance Requirements:

Filtering media will eventually become exhausted and need replacement. Replacement schedule will depend on incoming water quality and amount of water used.



Many RainSoft water treatment products and components are tested and certified by various independent testing and validating organizations, for product integrity, contaminant reduction claims, and to ensure that products perform as advertised. Refer to manufacturer's Performance Data Sheet for specific claims and certifications.

Benefits will be provided by various types of RainSoft equipment when installed and operated according to manufacturer's recommendations. Operational, maintenance and replacement requirements are essential for the product to perform as advertised. All claims based on best available information at time of printing. Manufacturer makes no representations as to the suitability of this equipment for a particular application. Buyer relies entirely on dealer's recommendations in the purchase of this equipment. Independent RainSoft dealers may include, together with your RainSoft product, a product or component that is not manufactured by RainSoft or their parent company, Aquion Partners L.P. Any non-RainSoft product may be covered by the manufacturer of that product, and is not covered by the RainSoft warranty. Aquion Partners L.P. does not warrant that your RainSoft product and the non-RainSoft product will perform properly when used together, and assume no liability therefore.

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