Is Your Water Too Hard?

Dissolved minerals found in most water supplies can lead to the formation of mineral scale deposits, or limescale, on exposed surfaces. Depending on your location, you may experience a higher concentration of these scale-forming minerals, resulting in what is commonly called “hard water.” Like most water-fed appliances, Rinnai Tankless Water Heaters can be sensitive to limescale accumulation caused by hard water.

Without proper maintenance, limescale build-up in your tankless water heater leads to a drop in water temperature, requiring more energy to maintain your desired temperature. Extensive use of hard water can also decrease the life expectancy of your tankless unit.

To maintain peak performance and efficiency, Rinnai’s Scale Control System provides limescale and corrosion control by feeding a special blend of compounds into the water stream. This simple, easy-to-use system delivers consistent scale control over a predictable time frame, without the need for electricity.

How It Works

The Rinnai Scale Control System is installed on the cold water line prior to your tankless unit. As water passes through, a small amount of scale control product is dissolved into the water stream.

Over time, the scale control product is depleted, and the translucent cartridge will indicate that a replacement is needed. Cartridge life depends on cartridge size and water usage, however, in most residential applications, a cartridge typically lasts 10-12 months. The degree of water hardness does not affect the product feed rate.

Benefits at a Glance

A Rinnai Scale Control System offers many of the same advantages as conventional water softening systems, yet it costs less, requires less space, and requires less maintenance. Advantages include:

• Controls limescale formation
• Provides corrosion control on wetted surfaces
• This could extend the life of your Rinnai Tankless Water Heater by maintaining peak performance and efficiency
• Reduces equipment maintenance costs
• Compact size and ease of installation
## PRODUCT SPECIFICATIONS

### Models

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Carton Dimensions</th>
<th>Shipping Weight (lbs)</th>
<th>Max PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>103000022</td>
<td>Scale Control - Water Heater Only 3/4” feed</td>
<td>10”x5”x5”</td>
<td>2.2</td>
<td>120*</td>
</tr>
<tr>
<td>103000023</td>
<td>Scale Control - Whole Home 3/4” feed</td>
<td></td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>103000024</td>
<td>Scale Control - Whole Home 1” feed</td>
<td></td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>103000025</td>
<td>Scale Control Refill - Water Heater Only</td>
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<td>1.5</td>
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<tr>
<td>103000026</td>
<td>Scale Control Refill - Whole Home</td>
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<td>1.75</td>
<td></td>
</tr>
</tbody>
</table>

Call Rinnai for commercial applications

*Verify that the water pressure does not exceed 120 psi. Use a pressure regulator if necessary.

### United States Water Hardness Map

<table>
<thead>
<tr>
<th>Hardness Level</th>
<th>Water Hardness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Over 11 gpg</td>
<td>Extremely Hard</td>
</tr>
<tr>
<td>10 to 14 gpg</td>
<td>Very Hard</td>
</tr>
<tr>
<td>7 to 10 gpg</td>
<td>Hard</td>
</tr>
<tr>
<td>3 to 7 gpg</td>
<td>Moderately Hard</td>
</tr>
<tr>
<td>Less than 3 gpg</td>
<td>Slightly Hard</td>
</tr>
</tbody>
</table>

Reference:

http://www.qualitywatertreatment.com/city_water_guide.htm

NOTE: This map is for general use; for specific information, please contact local water authorities.

### Canada Water Hardness Map

- Slightly Hard - 0.6 to 3.6 grain per imperial gallon
- Moderately Hard - 3.6 to 8.6
- Hard - 8.6 to 14.4
- Very Hard - 14.4 and over

Source: siftocanada.com

### FOR MORE INFORMATION ON RINNAI PRODUCTS

Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to and upon installation.

### ADDITIONAL RINNAI LITERATURE AVAILABLE

Rinnai America Corporation
103 International Drive
Peachtree City, GA 30269

Toll Free 1-800-621-9419
Phone: 678-829-1700 • Fax: 678-364-8643
Visit Our Website: www.rinnai.us
E-mail: marketing@rinnai.us
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