X-Factor Series LX
OUR TOP-OF-THE-LINE WATER SOFTENER

LINE OVERVIEW
Our top-of-the-line electronic water softener brings advanced technology and enhanced performance to water conditioning. The Diamond Line LX features a Lancaster designed state-of-the-art control valve and distribution system to ensure peak efficiency.

Our innovative control valve is easy to program and provides valuable information, including usage history, diagnostic records, and current gallon-per-minute flow and usage to the installer and homeowner. Additionally, the control valve monitors days since the last regeneration, peak flow rates, and reserve capacity based on water usage over the previous 21 days.

HOMEOWNER BENEFITS
• Environmentally friendly
• Plated-tank technology uses 30% less water
• Regenerates on demand
• Water usage efficiency up to 98%
• Modular design is easy to service and maintain
• Custom control program to meet family needs at a lower operating cost
• Energy-saving illuminated display
• Available in the space-saving cabinet model or the two-tank model
CABINET & MINI CABINET
Cabinet and Mini Cabinet design offers space savings by combining the mineral tank and storage tank into one unit.

EASY TO PROGRAM
• Set time of day
• Set water hardness
• Set desired time of regeneration
• Set contractor name and phone number

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LANCASTER DESIGNED STATE-OF-THE-ART CONTROL VALVE

- Factory-set pre-fill brine
- Dot matrix display
- Scrolling text display
- Contractor contact screens
- Additional user display choices during normal service
- Color specific display: Solid Blue, In Service; Solid Green, In Regeneration; Flashing Yellow, Maintenance; Flashing Red, Error.
- Water drop flow indicator
- Contractor service call reminder
- Display and keypad backlight illumination
- Screen displays low battery when the backup battery needs replaced
- Two relay driver outputs
- Multiple regenerations per day
- Additional diagnostics information
- Additional valve history information
- DC battery operation available
- Monitors water consumption, water flow rates, gallons since last regeneration, days between regeneration, total regenerations since start-up
- Treated water brine refill
- Easy-access front panel settings
- Days override feature: 1-28 days available
- Stores system configuration and operation data in a nonvolatile memory
- Valve ported internally 1*
- Battery back-up with up to 8 hours power carry-over

<table>
<thead>
<tr>
<th>TWO TANK</th>
<th>MINI CAB</th>
<th>CABINET</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL NO.</td>
<td>7-LX-75B</td>
<td>7-LX-100B</td>
</tr>
<tr>
<td>Grains Capacity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High</td>
<td>24,000</td>
<td>32,000</td>
</tr>
<tr>
<td>Medium*</td>
<td>18,000</td>
<td>24,000</td>
</tr>
<tr>
<td>Low</td>
<td>12,750</td>
<td>17,000</td>
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<tr>
<td>Mineral Cu. ft.</td>
<td>.75</td>
<td>1.00</td>
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<tr>
<td>Lbs.</td>
<td>39</td>
<td>52</td>
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<tr>
<td>Mineral Tank Size (in.)</td>
<td>8x44</td>
<td>10x40</td>
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<tr>
<td>Brine Tank Size (in.)</td>
<td>15x17x36</td>
<td>15x17x36</td>
</tr>
<tr>
<td>Brine Tank Capacity (lbs.)</td>
<td>275</td>
<td>275</td>
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<tr>
<td>LBS NaCl High</td>
<td>11.3</td>
<td>15.0</td>
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<tr>
<td>Per Medium*</td>
<td>6.0</td>
<td>8.0</td>
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<tr>
<td>Regeneration Low</td>
<td>3.4</td>
<td>4.5</td>
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<tr>
<td>Service Flow Rate (gpm)</td>
<td>13</td>
<td>17</td>
</tr>
<tr>
<td>Backwash Rate (gpm)</td>
<td>1.0</td>
<td>1.7</td>
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<tr>
<td>Pipe Size (in.)</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Min.-Max. Pressure (psi)</td>
<td>20-100</td>
<td>20-100</td>
</tr>
<tr>
<td>Min.-Max. Temperature (°F)</td>
<td>35-100</td>
<td>35-100</td>
</tr>
</tbody>
</table>

* Factory settings

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