MacCLEAN
N Series Water Softeners

Feature:

THE POWER CYCLONE DISTRIBUTOR WITHIN

 Dependable Motorized Piston Control Valve.
Fully automatic. Can be programmed to condition the
hardest water, and at the same time provide maximum
salt efficiency.

 Seamless Fiberglass Resin Tank.
No seams or heat welded bonds to fail and leak.
Will never rust or corrode. Semi-transparent for
visual inspection.

 Ion Exchange Resin of Highest Quality.
Stable and uniform, assuring excellent exchange
capacity and long life.

 CYCLONE DISTRIBUTOR.
Not only turns the resin bed over, but also spins the
resin with powerful cyclonic action. This action scrubs
the resin clean!

 Optional Meter Regeneration.
Monitors water usage like a home water meter and
signals regeneration according to the amount of
water used.

 Safety Brine Valve.
Float actuated, prevents overflow of brine maker
during power outage.

 Heavy Duty Brine Maker.
Has a hefty 300 pound salt capacity that minimizes
frequency of salt refill.

 Salt Support Assembly.
Allows use of almost any type of water softener salt,
and minimizes "mushing" and necessity of frequent
cleaning.

 Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Media (cubic feet)</th>
<th>Pipe Size</th>
<th>Maximum Capacity (grains) (note 3)</th>
<th>Flow Rates (gpm)</th>
<th>Space Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Contin.</td>
<td>Service</td>
<td>Width x Depth x Height</td>
</tr>
<tr>
<td>NS0500</td>
<td>0.5</td>
<td>½&quot;</td>
<td>15,000</td>
<td>2.0</td>
<td>28 x 19 x 43</td>
</tr>
<tr>
<td>NS0600</td>
<td>0.5</td>
<td>1&quot;</td>
<td>15,000</td>
<td>2.0</td>
<td>28 x 19 x 43</td>
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<tr>
<td>NS0750</td>
<td>0.75</td>
<td>½&quot;</td>
<td>22,500</td>
<td>3.0</td>
<td>28 x 19 x 52</td>
</tr>
<tr>
<td>NS0751</td>
<td>0.75</td>
<td>1&quot;</td>
<td>22,500</td>
<td>3.0</td>
<td>28 x 19 x 52</td>
</tr>
<tr>
<td>NS1000</td>
<td>1.0</td>
<td>½&quot;</td>
<td>30,000</td>
<td>4.0</td>
<td>28 x 19 x 52</td>
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<tr>
<td>NS1001</td>
<td>1.0</td>
<td>1&quot;</td>
<td>30,000</td>
<td>4.0</td>
<td>28 x 19 x 52</td>
</tr>
<tr>
<td>NS1500</td>
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<tr>
<td>NS2000</td>
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<td>60,000</td>
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<tr>
<td>NS2001</td>
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<tr>
<td>NS2500</td>
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<td>75,000</td>
<td>9.0</td>
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<tr>
<td>NS2501</td>
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<td>1&quot;</td>
<td>75,000</td>
<td>9.0</td>
<td>34 x 19 x 62</td>
</tr>
</tbody>
</table>

Notes: 1. Add suffix "M" for metered models. i.e. NSM1001.
2. Salt dosage = 15 lbs./cu. ft.
SPACE MAKER

- Superior Design; better than conventional cabinet model softeners.
- Fits snugly into 15" x 26" floor space.
- Brine tank can be remotely located for optimal space savings.
- Detached brine tank permits easy cleaning. Allows the use of any water softener salt and eliminates condensation problems associated with cabinet models.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Media (cubic feet)</th>
<th>Pipe Size</th>
<th>Maximum Capacity (grains/cycle)</th>
<th>Flow Rates (gpm)</th>
<th>Space Requirements (Width x Depth x Height)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NLS0500</td>
<td>0.5</td>
<td>¾&quot;</td>
<td>15,000</td>
<td>2.0</td>
<td>4.0</td>
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<tr>
<td>NLS0501</td>
<td>0.5</td>
<td>1&quot;</td>
<td>15,000</td>
<td>2.0</td>
<td>4.0</td>
</tr>
<tr>
<td>NLS0750</td>
<td>0.75</td>
<td>¾&quot;</td>
<td>22,500</td>
<td>3.0</td>
<td>6.0</td>
</tr>
<tr>
<td>NLS0751</td>
<td>0.75</td>
<td>1&quot;</td>
<td>22,500</td>
<td>3.0</td>
<td>6.0</td>
</tr>
<tr>
<td>NLS1000</td>
<td>1.0</td>
<td>¾&quot;</td>
<td>30,000</td>
<td>4.0</td>
<td>7.0</td>
</tr>
<tr>
<td>NLS1001</td>
<td>1.0</td>
<td>1&quot;</td>
<td>30,000</td>
<td>4.0</td>
<td>7.0</td>
</tr>
</tbody>
</table>

Notes: 1. Add suffix "M" for metered models (i.e., NLS1000M).
2. Salt dosage = 15 lbs./cu. ft. models.

N SERIES

Electronic Water Softener

- All cycles are fully adjustable for maximum efficiency. Saves salt and water.
- Push button programming of MICROPROCESSOR.
- Available with time clock or meter initiation.
- Metered models constantly monitor water usage. Screen displays gallons per minute water is flowing through the unit; gallons to regeneration; time of day and regeneration cycles.

Add "E" to model number when ordering electronic control softeners (i.e., NELS1001).
**Water Softener**

- Removes higher level of iron than standard softeners.
- Features a seamless resin tank which will not rust or corrode.
- Greater softening capacity.
- Provides luxurious, soft, filtered water with one unit.

<table>
<thead>
<tr>
<th>Model</th>
<th>Control</th>
<th>Grain Capacity</th>
<th>Space Required</th>
<th>Pipe Size</th>
<th>Approx. Weight</th>
<th>Flow Rate (gpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSIX1001</td>
<td>Time Clock</td>
<td>34,000</td>
<td>28&quot; x 18&quot; x 52&quot;</td>
<td>1&quot;</td>
<td>151 lbs.</td>
<td>7 10 1.2</td>
</tr>
<tr>
<td>NSIMX1001</td>
<td>Metered</td>
<td>34,000</td>
<td>28&quot; x 18&quot; x 52&quot;</td>
<td>1&quot;</td>
<td>152 lbs.</td>
<td>7 10 1.2</td>
</tr>
<tr>
<td>NSIX2001</td>
<td>Time Clock</td>
<td>66,000</td>
<td>31&quot; x 18&quot; x 62&quot;</td>
<td>1&quot;</td>
<td>195 lbs.</td>
<td>9 12 1.5</td>
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<tr>
<td>NSIMX2001</td>
<td>Metered</td>
<td>68,000</td>
<td>31&quot; x 18&quot; x 62&quot;</td>
<td>1&quot;</td>
<td>196 lbs.</td>
<td>9 12 1.5</td>
</tr>
</tbody>
</table>

Notes:
1. Never use this unit in conjunction with an air-to-water pressure tank.
2. For optimum iron removal, add IRON-X resin cleaner to salt in brine tank.
3. Because iron is found in several forms, removing iron with a softener is always a gamble. For best results, use a CHEM-FREE™ iron removal system.

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**Intellis Water Softener**

- Softens with less salt and water.
- Removes more ferrous iron.
- Filters more sediment.
- Fully adjustable cycles for maximum efficiency on any water supply.
- Small footprint, 11" x 25" including brine tank.

Simple push button programming allows you to monitor and control every function and cycle. Regeneration is delayed to a time when conditioned water is not required.

<table>
<thead>
<tr>
<th>Model</th>
<th>Control</th>
<th>Grain Capacity</th>
<th>Min. Space Required</th>
<th>Pipe Size</th>
<th>Approx. Weight</th>
<th>Flow Rate (gpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS100X</td>
<td>Electronic</td>
<td>20,000</td>
<td>11&quot; x 27&quot; x 43&quot;</td>
<td>1&quot;</td>
<td>125</td>
<td>4.0 7.0 2.4</td>
</tr>
</tbody>
</table>

Notes:
1. Never use this unit in conjunction with an air-to-water pressure tank.
2. For optimum iron removal, add IRON-X resin cleaner to salt in brine tank.
3. Because iron is found in several forms, removing iron with a softener is always a gamble. For best results, use a CHEM-FREE™ iron removal system.

CUNO Water Treatment has a policy of continuous improvements of its products and reserves the right to change materials and specifications without notice.

Resin tank and components manufactured under one or more of the following U.S. Patent Numbers: 5,594,411 - 5,698,830 - 5,990,720 European Patent Number: EP 072024 B1

Distributed By:

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