Standard Features

- High Flow Control Valves thru 3” – Service Flow Rates over 500 gpm.
- Up to 1.2 Million Grain Tank Capacity per Tank
- Maximum Operating Pressure – 125 psi/110º F
- Clack™ Control Valves
- Electronic Meter Regeneration - Immediate; Only One at a Time, Allowing Treated Water 24 x 7.
- Progressive Flow – see top of page 2 for details.
- Premium Cation Resin – 30K grains/cu.ft.
- No Hard Water Bypass
- Brine Tank – HDPE material, Salt Grid Plate or Gravel Underbed, Safety Brine Valve (30” & smaller diameter), Air Check and Overflow

Options

- Steel and ASME Rated Pressure Vessels
- Side-mount Control Valves
- High Capacity Resin
- 2900, 3900 Control Valves

Typical Use:

- Boiler Feed
- Hospitals
- Schools and Universities
- Industrial Pre-treatment
- Hotels/Motels
- Apartments/Condos
- Nursing Home/ Assisted Living
- Laundry Facilities
- Food Service
- Corporate Park
- Large Farms
- Ideal for hi-flow jobs that may also have periods of extreme shifts in flow rate (possible prolonged periods of down to 1 gpm/cu.ft. of resin in on tank.).

Operating Information

For use on Potable Water Only
Do not use on microbiologically unsafe or unknown quality water
Installation must comply with state and local plumbing/electrical codes
Tank warranty void if subject to vacuum
Low flow channeling – less than 1 gpm/cu. ft. resin – may cause hardness leakage

- Water Temperature Range: 35° – 110°F
- Ambient Air Temperature Range: 35° – 120°F
- Operating Pressure Range: 20 – 125 psi
- Electronic Requirements: 110v/60Hz
- Influent Turbidity: 5 NTU
- Influent Chlorine: 1 ppm max.
- Iron/Manganese: < 5 ppm

Automatically reduce hardness (calcium/magnesium) and dissolved iron/manganese along with their unpleasant side-effects. Only the highest quality resin, controls and materials are used in WaterSoft Water Softeners. Our motor-driven piston control valve is the most reliable under even severe water conditions and resists common adversaries such as hardness and iron. Meanwhile, our hub and lateral style or Vortech™ distribution system within the corrosion resistant tanks maximize flow while reducing pressure loss through the units. Designed for use in commercial, industrial or domestic water applications.

As we remain Committed to Innovation, WaterSoft provides the design and engineering support to ensure the most effective treatment solution for each installation. For a stand-alone installation or a new construction project, replace or integrate new equipment into an existing process, we have the proper system options available to meet your needs.

WaterSoft Inc.
710 Orange Street, Ashland, OH 44805
Toll Free: 1-800-462-3790  Phone: 419-289-1500
Fax: 419-289-1515   www.watersoftinc.com
### Product Specifications

**Progressive Flow Softener Systems.**

Can operate with all tanks in service together (unless one is regenerating). During periods of low flow, tank(s) automatically drop-out, which prevents channeling. When demand increases, tank(s) IMMEDIATELY are automatically placed back into service. Immediate regeneration - Interlock allows only one tank to regenerate at a time. Each tank can regenerate multiple times per day!

<table>
<thead>
<tr>
<th>Model No.</th>
<th>OPM Flow Rates - Note 1</th>
<th>GPM Flow Rates - Note 1</th>
<th>PIPE SIZE NPT</th>
<th>GRAINS EXCH CAP @ LBS SALT (Per Resin Tank)</th>
<th>RESIN TANK Cu FT. Resin (Per Tank)</th>
<th>BRINE TANK Salt Capacity LBS Per Tank</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMS450-103WSP</td>
<td>26 20 36 30 22 26 24 34 4.2</td>
<td>1&quot; 2&quot; 3/4&quot; 1-1/2&quot; 4&quot;</td>
<td>45,000 GR @ 22.5# 60,000 GR @ 30#</td>
<td>10&quot; x 54&quot; 16&quot; x 40&quot; 18&quot; x 40&quot;</td>
<td>180,000 300,000</td>
<td>62 3 300 600</td>
</tr>
<tr>
<td>CMS600-103WSP</td>
<td>36 32 50 42 40 32 28 38 4.2</td>
<td>1&quot; 2&quot; 3/4&quot; 1-1/2&quot; 4&quot;</td>
<td>60,000 GR @ 45# 45,000 GR @ 30#</td>
<td>14&quot; x 65&quot; 18&quot; x 40&quot; 20&quot; x 40&quot;</td>
<td>180,000 300,000</td>
<td>62 3 300 600</td>
</tr>
<tr>
<td>CMS1500-123WSP</td>
<td>54 40 70 38 50 40 1-1/4&quot; 4&quot;</td>
<td>60,000 GR @ 45# 30,000 GR @ 15#</td>
<td>14&quot; x 65&quot; 3&quot; 2&quot; 18&quot; x 40&quot;</td>
<td>200,000 400,000 600,000</td>
<td>120,000 240,000 360,000</td>
<td>600 3 300 600</td>
</tr>
</tbody>
</table>

**Note 1 -** Flow rates shown are conservative minimum possible at all times (they're assuming one tank is off-line regenerating).

**Note 2 -** The most-common models are listed; please contact factory if your job requires a tank & control valve combination other than above.

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Committed to Innovation

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