Quality Products for Quality Water

'MR' Series Water Softener Systems

Overview

The Marlo ‘MR’ Series water softener system offers the commercial or institutional facility a robust and efficient solution for reducing mineral scale, soap usage, and energy consumption in their plumbing and other water-using equipment.

The standard, all-steel exterior design will be reliable for many years of service. A modular platform allows for single, twin, or triplex tank designs to be easily configured to meet the exact flow requirements matched with the incoming water quality. Numerous custom engineered options are available to meet most specifications.

Standard Features

- Carbon steel resin tanks with epoxy-lined interior
- Water activated diaphragm style control valves
- Volume and/or time initiated regeneration cycle
- Polyethylene brine tank assembly with injector
- Sodium form cation exchange resin
- Inlet/Outlet tank sampling valves
- Water hardness testing kit
- Factory Hydro-tested at 100 psig

Materials of Construction

- Resin Tanks: Carbon steel with Safety Blue exterior paint
- Tank Lining: NSF 61 rated epoxy coating
- Exterior Piping: Galvanized steel pipe & cast iron fittings
- Internal Distributors: Sch 80 PVC/ABS
- Control Valves: Painted cast iron body

Instrumentation / Controls

- Marlo MX-II electronic system controller
- Time or metered control with bypass for single tank
- Alternating or parallel progressive metered control for twin and triple tank units
- NEMA-4X electrical enclosures
- Signet paddle-type flow sensors
- Inlet/Outlet pressure gauges

Operating Parameters

- Inlet Pressure: 30-100 psig
- Electrical: 120 VAC, 1-Ph, 60Hz
- Temperature: 35-110 °F

Options Available

- Skid mounted, pre-piped, pre-wired systems
- ASME code stamped resin tanks
- Allen-Bradley PLC systems
- Alternate water meter types
- Brine pump systems
- PVC or CPVC exterior piping
- Copper or Stainless steel exterior piping
- Stainless steel internal distributor piping
- Butterfly control valves (air operated)
- 'SRS' Salt Recycling Systems
- Online hardness monitor
Specifications

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Exchange Capacity (Grains)</th>
<th>Salt Usage (Pounds)</th>
<th>Flow Rates</th>
<th>Pipe Size</th>
<th>Resin Sizing</th>
<th>Tank Sizes</th>
<th>Salt Storage</th>
<th>Regeneration Per Salt Refill</th>
<th>Overall Dimensions (Inches)</th>
<th>Shipping Weight (LBS)</th>
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</tbody>
</table>

Notes

1. Maximum capacity based on 30,000 grains per cubic foot of resin when regenerated with 15 lbs. salt. Minimum capacity based on 20,000 grains per cubic foot of resin when regenerated with 6 lbs. salt.
2. At pressure loss not exceeding 15 psi.
3. At pressure loss not exceeding 25 psi.
4. Dimensions are estimate only. Actual dimensions may vary based on job-site space limits and piping layout. Allow a minimum of 24” above height dimension for resin loading. Use of ASME rated tanks may add up to 12” of tank height.
5. Shipping weights are estimate only. Weights include resin and support gravel, which are added to the tanks after installation.