• 2” top mount or side mount control valve suited for commercial/industrial applications
• Epoxy coated lead free brass valve body*
• Economical stainless steel optional meter assembly
• Service flow rate of 473 lpm (28.4 m³/h) (125 gpm), backwash 322 lpm (19.3 m³/h) (85 gpm)
• Solid state microprocessor with easy access front panel settings
• Front panel display for time of day, days until next regeneration, volume remaining and current flow rate
• Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
• Program in ppm, French degrees, German degrees, or cubic meters
• Fully programmable regeneration cycle sequence (maximum 9)
• Programmable regeneration cycle times
• Days override feature; 1-28 days available
• Coin Cell Lithium battery back-up with an 24 hour carry over
• Level VI 15-volt output DC power supply provides safe and easy installation
• Pre or Post treated water regenerant refill
• 24 Hour Clock
• Reliable and proven DC drive
• Patented one piece expanding seal spacer stack assembly U.S. Patent 6,402,944
• Patented linearly reciprocating piston operation U.S. Patent 6,444,127
### Water Specialist 2” CI/QC Control Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet/Outlet (1)</td>
<td>2” Female BSPT or NPT</td>
</tr>
<tr>
<td>Cycles</td>
<td>up to 9</td>
</tr>
<tr>
<td>Valve Material</td>
<td>Lead free brass</td>
</tr>
<tr>
<td>Regeneration</td>
<td>Downflow</td>
</tr>
</tbody>
</table>

#### CONTROL VALVE FLOW RATES
- **Service @ 1 bar/15 psi drop**: 473 lpm (28.4 m³/h) (125 gpm)
- **Backwash @ 1.7 bar/25 psi drop**: 322 lpm (19.3 m³/h) (85 gpm)
- **Cv Service**: 32.3
- **Cv Backwash**: 17.0

#### OPERATING Pressures
- Minimum/Maximum: 1.4 - 8.6 bar (20 psi - 125 psi)

#### OPERATING Temperatures
- Minimum/Maximum: 4º - 43º C (40º - 110º F)

#### METER SPECIFICATIONS
- **Accuracy**: ± 5%
- **Flow Rate Range**: 5.7 - 568 lpm (1.5 - 150 gpm)
- **Volume Range**: 0.02 - 5,700 m³
- **Totalizer**: 1 - 99,999 m³ (264 - 26,417,000 gallons)

#### DIMENSIONS & WEIGHT
- **Distributor Pilot**
  - Valve bodies with 2” Female BSPT Inlet & Outlet: 63mm OD
  - Valve bodies with 2” Female NPT Inlet & Outlet: 2.37” OD (2” NPS)
  - Drain Line Connection: 1.5” Female NPT
  - Brine Line Adapters Included: 1” Male NPT elbow, ¾” x 1” solvent weld elbow and ½” OD Poly Tube Compression
- **Mounting Base**: 4” - 8 UN, 6” Flange or Side Mount
- **Height From Top Of Tank with 4” - 8 UN QC Base**: 284.5mm (11.2”)
- **Height From Top Of Tank with 6” Flange QC Base**: 287mm (11.3”)
- **Shipping Weight With Meter**: 14 Kg (30 lbs.)

#### ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Supply Voltage</strong></td>
<td>U.S. 100VAC to 120VAC ... 200VAC to 240VAC</td>
</tr>
<tr>
<td><strong>Supply Frequency</strong></td>
<td>50/60 Hz</td>
</tr>
<tr>
<td><strong>Output Voltage</strong></td>
<td>15VDC</td>
</tr>
<tr>
<td><strong>Output Current</strong></td>
<td>500 mA</td>
</tr>
</tbody>
</table>

#### TANK APPLICATIONS
- **Water Softener**: 12” - 48” diameter
- **Water Filter (2)**: 12” - 36” diameter

#### CYCLES OF OPERATION
- Choose up to nine regeneration cycles, in any order, with a wide range of available values:
  - **Cycle**: Range of values
  - **Backwash**: 1 - 120 minutes
  - **Rinse**: 1 - 120 minutes
  - **Pause (service)**: 1 - 480 minutes
  - **Brine (co-current)**: 1 - 180 minutes
  - **Refill (softener)**: 0.1 - 99.0 minutes
  - **Refill (filter)**: 0.1 - 99.0 minutes

**Options: Backwash Filter, Weather Cover**

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines

1. See Distributor Pilot
2. Filter tank size calculated @ 407 lpm per m² of bed area /10 gpm of backwash per square foot of bed area

U.S. Patents: 6,402,944 • 6,444,127