Certified to NSF/ANSI/CAN 61, NSF/ANSI 44 and 372.

• Service flow 28 gpm, backwash flow 15 gpm with meter and bypass installed
• Solid state microprocessor with easy access front panel settings
• Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer), and Tank in Service Indication
• Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
• Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
• Adjustable cycle times with 6-cycle control delivers controlled backwash, downflow brining/slow rinse, second backwash, fast rinse, refill and downflow service
• Coin Cell Lithium battery back-up with a 8 hour carry over
• Backwash and brining ability to 21” diameter tanks
• Downflow or upflow brining regeneration
• Level VI 15-volt output DC power supply provides safe and easy installation
• Treated/Soft water post fill and regeneration cycles
• Reliable and proven DC drives
• One piece expanding seal spacer stack assembly
• Linearly reciprocating piston operation
### Water Specialist 1” EE Twin Alternating Specifications

- **Inlet/Outlet Fittings**: \( \frac{3}{4} \)” to 1.5” NPS
- **Cycles**: up to 6
- **Valve Material**: Fiber Reinforced Composite
- **Regeneration**: Downflow

### FLOW RATES
- **Service @15 psi drop (includes bypass and meter)**: 28 gpm
- **Backwash @ 25 psi drop (includes bypass)**: 15 gpm
- **Cv Service**: 7.28
- **Cv Backwash**: 2.96

### OPERATING PRESSURES
- **Minimum/Maximum**: 20 psi – 125 psi

### OPERATING TEMPERATURES
- **Minimum/Maximum**: 40° – 110° F

### METER
- **Accuracy**: ± 5%
- **Flow Rate Range**: 0.25 – 30 gpm
- **Gallon Range**: 20 – 1,500,000 gallons
- **Totalizer**: 1000 - 9,999,000 gallons

### DIMENSIONS & WEIGHT
- **Distributor Pilot**: 1.050” OD Pipe (\( \frac{3}{4} \)” NPS)
- **Drain Line**: \( \frac{3}{8} \)” or 1” Male NPT
- **Brine Line**: \( \frac{3}{8} \)” or ½” OD Poly Tube Compression
- **Mounting Base**: 2 ½” - 8 NPSM
- **Height From Top Of Tank**: 7 \( \frac{3}{4} \)”
- **Weight**: 16 lbs.

### ELECTRICAL SPECIFICATIONS

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

### TANK APPLICATIONS
- **Water Softener**: 6” – 21” diameter
- **Water Filter (1)**: 6” – 16” diameter

### CYCLES OF OPERATION (Softener / Filter Downflow)

<table>
<thead>
<tr>
<th>Cycle</th>
<th>Range of time in minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Backwash 1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>1-120</td>
</tr>
<tr>
<td>2. Regenerate Draw/Slow Rinse</td>
<td>1-180</td>
</tr>
<tr>
<td>3. Backwash 2&lt;sup&gt;nd&lt;/sup&gt;</td>
<td>1-120</td>
</tr>
<tr>
<td>4. Fast Rinse</td>
<td>1-120</td>
</tr>
<tr>
<td>5. Regenerant Refill</td>
<td>0.1-99.0 or off</td>
</tr>
<tr>
<td>6. Service (downflow)</td>
<td></td>
</tr>
</tbody>
</table>

- **Options**: Backwash Filter, Bypass, Weather Cover
- **Compatible with the following typical concentration of regenerants or chemicals**: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines

1. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area