• Service flow 106 lpm (6.36 m³/h) (28 gpm), backwash flow 57 lpm (3.40 m³/h) (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

• Fully 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

• 12-volt output AC Adapter provides safe and easy installation

• Treated/Soft water post fill and regeneration cycles

• 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

• Reliable and proven DC drives
### Water Specialist 1” EI Twin Alternating Specifications

<table>
<thead>
<tr>
<th><strong>Inlet/Outlet Fittings</strong></th>
<th>¾” to 1.5” NPS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cycles</strong></td>
<td>up to 6</td>
</tr>
<tr>
<td><strong>Valve Material</strong></td>
<td>Noryl (1) or equivalent</td>
</tr>
<tr>
<td><strong>Regeneration</strong></td>
<td>downflow</td>
</tr>
</tbody>
</table>

#### FLOW RATES
- **Service** @ 15 psi/1 bar drop (includes bypass and meter) .... 106 lpm (6.36 m³/h) (28 gpm)
- **Backwash** @ 25 psi/1.7 bar drop (includes bypass) ............ 57 lpm (3.40 m³/h) (15 gpm)
- **Cv Service** ................................................................. 7.28
- **Cv Backwash** ................................................................. 2.96

#### OPERATING PRESSURES
- Minimum/Maximum ................................................................ 1.4 - 8.6 bar (20 psi – 125 psi)

#### OPERATING TEMPERATURES
- Minimum/Maximum ............................................................... 4º - 43ºC (40º – 110º F)

#### METER
- **Accuracy** ......................................................................... ± 5%
- **Flow Rate Range** ......................................................... 0.95 - 102 lpm
- **Gallon Range** ................................................................. 0.02 - 5,700 m³
- **Totalizer** ................................................................. 0.001 - 9,999,000 m³

#### DIMENSIONS & WEIGHT
- **Distributor Pilot** ......................................................... 1.050” OD Pipe (¾” NPS)
- **Drain Line** ................................................................. ¾” or 1” Male NPT
- **Brine Line** ................................................................. ⅜” or ½” OD Poly Tube Compression
- **Mounting Base** .............................................................. 2 ½” - 8 NPSM
- **Height From Top Of Tank** ............................................ 187 mm (7 3/8”)
- **Weight** ................................................................. 7.25 kg (16 lbs.)

#### ELECTRICAL SPECIFICATIONS
- **AC Adapter**
  - **Supply Voltage** .......................................................... 230V AC
  - **Supply Frequency** ....................................................... 50 Hz
  - **Output Voltage** .......................................................... 12V AC
  - **Output Current** .......................................................... 500 mA

#### TANK APPLICATIONS
- **Water Softener** .............................................................. 6” – 21” diameter
- **Water Filter (2)** ......................................................... 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 1st</td>
<td>1-95 or off</td>
</tr>
<tr>
<td>2. Regenerate Draw/Slow Rinse</td>
<td>1-180 or off</td>
</tr>
<tr>
<td>3. Backwash 2nd</td>
<td>1-95 or off</td>
</tr>
<tr>
<td>4. Fast Rinse</td>
<td>1-95 or off</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. Noryl is a trademark of Sabic Innovative Plastics IP B.V. Company
2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area