Solid state microprocessor with easy access front panel settings
Service flow rate of 27 gpm, backwash 27 gpm
Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer)
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
Level VI 15-volt output DC power supply provides safe and easy installation
Control valve design provides optimum service and backwash rates
Post treated water regenerant refill
Reliable and proven DC drive
One piece expanding seal spacer stack assembly
Linearly reciprocating piston operation
# Water Specialist 1" EE Control 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)**: 27 gpm
- **Backwash @ 25 psi drop (includes bypass)**: 27 gpm
- **Cv Service**: 7.0
- **Cv Backwash**: 5.4

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

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

## METER
- **Accuracy**: ± 5%
- **Flow Rate Range**: 0.25 – 27 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**: 3/8" or 1/2" OD Poly Tube Compression
- **Brine Line**: 3/8" or 1/2" OD Poly Tube Compression
- **Mounting Base**: 2 ½" - 8 NPSM
- **Height From Top Of Tank**: 7 3/8"
- **Weight**: 4.5 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" – 21" diameter

## CYCLES OF OPERATION (Softener Downflow)

<table>
<thead>
<tr>
<th>Cycle</th>
<th>Range of time in minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Backwash 1(^{st}) (upflow)</td>
<td>1-95 Backwash 1-95</td>
</tr>
<tr>
<td>2. Regenerate Draw/Slow Rinse (downflow)</td>
<td>1-180</td>
</tr>
<tr>
<td>3. Backwash 2(^{nd}) (upflow)</td>
<td>1-95</td>
</tr>
<tr>
<td>4. Fast Rinse (downflow)</td>
<td>1-95 Rinse 1-95</td>
</tr>
<tr>
<td>5. Regenerant Refill (in service with treated water)</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