• Solid state microprocessor with easy access front panel settings
• 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
• Backwash and brining ability to 21” diameter tanks
• Downflow/upflow regeneration
• Stores system configuration and operation data in nonvolatile memory
• Coin Cell Lithium battery back-up with a 24 hour carry over
• Level VI 15-volt output DC power supply provides safe and easy installation
• Control valve design provides optimum service and backwash rates
• Pre or Post treated water regenerant refill
• Mixing valve option available
• Low salt alarm
• 24-hour clock
• Reliable and proven DC drive
• One piece expanding seal spacer stack assembly
• Linearly reciprocating piston operation

Certified to NSF/ANSI/CAN 61, NSF/ANSI 44 and 372.
## Water Specialist 1” CI Control Specifications

**Inlet/Outlet Fittings**
- ¾” to 1.5” NPS

**Cycles**
- up to 9

**Valve Material**
- Fiber Reinforced Composite

**Regeneration**
- downflow/upflow

### FLOW RATES
- **Service** @ 15 psi/1 bar drop (includes bypass and meter) ........ 102 lpm (6.12 m³/h) (27 gpm)
- **Backwash** @ 25 psi/1.7 bar drop (includes bypass) ................. 102 lpm (6.12 m³/h) (27 gpm)

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

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

### METER
- **Accuracy** ............................................................ ± 5%
- **Flow Rate Range** .................................................. 0.95 - 102 lpm
- **Volume Range** ..................................................... 0.02 - 5,700 m³
- **Totalizer** ............................................................ 1 m³ - 99,999 m³

### DIMENSIONS & WEIGHT
- **Distributor Pilot** .................................................. 1.050” OD Pipe (¾” NPS)
- **Drain Line** ........................................................... ¾” or 1” NPT
- **Brine Line** ............................................................ ¾” or ½” OD Poly Tube
- **Mounting Base** .................................................... 2 ½”- 8 NPSM
- **Height From Top Of Tank** .................................... 7 ¾” (187 mm)
- **Weight** ............................................................... 4.5 lbs (2 kg)

### ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Power Supply</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
- **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
  - **Brine (counter-current)** .................................... 1 - 180 minutes
  - **Refill (softener)** ............................................. 0.05 - 90.00 Kg
  - **Refill (filter)** .................................................. 0.2 - 76.00 Liters

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**Options:** Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations 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