WS1.25EE

WATER SPECIALIST CONTROL VALVE

- Solid state microprocessor with easy access front panel settings
- Service flow rate of 34 gpm, backwash 32 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 an 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
- Patented one piece expanding seal spacer stack assembly
- Patented linearly reciprocating piston operation
- Control valve design provides optimum service and backwash rates
- Post treated water regenerant refill
- Reliable and proven DC drive

Certified to NSF/ANSI/CAN 61, NSF/ANSI 44 and 372.
Inlet/Outlet Fittings ................................................................. ¾” 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) ............... 34 gpm
Backwash @ 25 psi drop (includes bypass) ............................ 32 gpm (1)
Cv Service ..................................................................................... 8.8
Cv Backwash ................................................................................ 6.4

OPERATING PRESSURES
Minimum/Maximum .................................................................. 20 psi – 125 psi

OPERATING TEMPERATURES
Minimum/Maximum .................................................................. 40º – 110º F

METER
Accuracy ..................................................................................... ± 5%
Flow Rate Range ................................................................. 0.25 – 34 gpm
Gallon Range ............................................................................. 20 – 1,500,000 gallons
Totalizer .................................................................................. 1000 - 9,999,000 gallons

DIMENSIONS & WEIGHT
Distributor Pilot .......................................................................... 1.32” OD Pipe (1” NPS) or 32mm OD
Drain Line ..................................................................................... ¾” or 1” Male NPT
Brine Line ...................................................................................... ¾” or ½” OD Poly Tube Compression
Mounting Base ............................................................................. 2 ½” – 8 NPSM
Height From Top Of Tank ........................................................... 7 ¾”
Weight ...................................................................................... 4.5 lbs.

ELECTRICAL SPECIFICATIONS

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

TANK APPLICATIONS
Water Softener ........................................................................... 6” – 21” diameter
Water Filter (2) ............................................................................ 6” – 24” diameter

CYCLES OF OPERATION

<table>
<thead>
<tr>
<th>Cycle</th>
<th>Softener Range of time in minutes</th>
<th>Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Backwash 1st (upflow)</td>
<td>1-95</td>
<td>Backwash 1-95</td>
</tr>
<tr>
<td>2. Regenerate Draw/Slow Rinse (downflow)</td>
<td>1-180</td>
<td></td>
</tr>
<tr>
<td>3. Backwash 2nd (upflow)</td>
<td>1-95</td>
<td></td>
</tr>
<tr>
<td>4. Fast Rinse (downflow)</td>
<td>1-95</td>
<td>Rinse 1-95</td>
</tr>
<tr>
<td>5. Regenerant Refill (in service with treated water)</td>
<td>0.1-99.0 or off</td>
<td></td>
</tr>
<tr>
<td>6. Service (downflow)</td>
<td></td>
<td></td>
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</tbody>
</table>

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. Acquired by use of external drain line flow control
2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area

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