• 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
• 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
• Soft/treated water regeneration
• Pre or Post soft/treated water regenerant refill
• Low salt alarm
• 24-hour clock
• Reliable and proven DC drive
• One piece expanding seal spacer stack assembly
• Linearly reciprocating piston operation
Water Specialist 1” CI Twin Alternating 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) .......... 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 ......................................................... 20 - 125 psi (1.4 - 8.6 bar)

OPERATING TEMPERATURES
Minimum/Maximum ......................................................... 40º - 110º F (4º – 43º 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 ................................................................. 3/8” or ½” OD Poly Tube Compression
Mounting Base ................................................................. 2 ½“- 8 NPSM
Height From Top Of Tank ................................................... 7 ¾” (187 mm)
Weight ............................................................................. 16 lbs (7.25 kg)

ELECTRICAL SPECIFICATIONS

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

<table>
<thead>
<tr>
<th>Cycle</th>
<th>Range of values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backwash</td>
<td>1 - 120 minutes</td>
</tr>
<tr>
<td>Rinse</td>
<td>1 - 120 minutes</td>
</tr>
<tr>
<td>Pause (service)</td>
<td>1 - 480 minutes</td>
</tr>
<tr>
<td>Brine (co-current)</td>
<td>1 - 180 minutes</td>
</tr>
<tr>
<td>Brine (counter-current)</td>
<td>1 - 180 minutes</td>
</tr>
<tr>
<td>Refill (softener)</td>
<td>0.05 - 90.00 Kg</td>
</tr>
<tr>
<td>Refill (filter)</td>
<td>0.2 - 76.00 Liters</td>
</tr>
</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. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area/407 lpm per square meter of bed area

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