• Solar panel or AC adapter recharges 6 "AA" re-chargable Nickel Metal Hydride Batteries
• Can be programmed for automatic variable reserve, based on water usage history for high efficiency
• 2" Top mount control valve suited for commercial/industrial applications
• Epoxy coated lead free brass valve body*
• Economical stainless steel optional meter assembly
• Service flow rate of 115 gpm, backwash 80 gpm
• 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)
• 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 of time of day
• 12-volt output AC Adapter provides safe and easy installation
• Post treated water regenerant refill
• Reliable and proven DC drive
• 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
Inlet/Outlet (1) ................................................................. 2" Female NPT
Cycles .............................................................................. up to 6
Valve Material ................................................................. Lead free brass
Regeneration ................................................................. Downflow

CONTROL VALVE FLOW RATES
Service @15 psi drop (includes meter) ...................... 115 gpm
Backwash @ 25 psi drop .................................................. 80 gpm
Cv Service ........................................................................ 29.7
Cv Backwash ................................................................. 16.0

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

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

METER SPECIFICATIONS
Accuracy ........................................................................... ± 5%
Flow Rate Range ............................................................ 1.5 – 150 gpm
Gallon Range ................................................................. 20 – 1,500,000 gallons
Totalizer ............................................................................ 1 – 9,999,000 gallons

DIMENSIONS & WEIGHT
Distributor Pilot
Valve bodies with 2" Female NPT Inlet & Outlet .......... 1.90" OD (1.5" NPS)
Drain Line Connection ...................................................... 1.5" Female NPT
Brine Line Adapters Included ........................................ 1" Male NPT elbow,
¾" x 1" solvent weld elbow and
½" OD Poly Tube Compression
Mounting Base ................................................................ 4” - 8 UN
Height From Top Of Tank ............................................... 8.5"
Shipping Weight With Meter ........................................... 29 lbs.

SOLAR PANEL & BATTERY SPECIFICATIONS
Amorphous silicon solar panel
Modular snap together Solar Panel capable of three tilt angles
Solar panel recharges 6 replaceable AA nickel metal hydride batteries
Batteries mounted behind circuit board
Smart charger circuitry turns on and off to extend battery life

TANK APPLICATIONS
Water Softener ................................................................ 12" – 48" diameter
Water Filter (2) ............................................................... 12" – 36" diameter

CYCLES OF OPERATION

<table>
<thead>
<tr>
<th>Cycle</th>
<th>Softener</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>Rinse 1-95</td>
</tr>
<tr>
<td>4. Fast Rinse (downflow)</td>
<td>1-95</td>
<td></td>
</tr>
<tr>
<td>5. Regenerant Refill (in service with treated water)</td>
<td>0.1-99.0</td>
<td></td>
</tr>
<tr>
<td>6. Service (downflow)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Options: Backwash Filter, Weather Cover
Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines

1. See Distributor Pilot
2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area