Optional 1.5” Meter

• 1.5” top mount control valve suited for mid-size commercial/industrial applications
• Epoxy coated lead free brass valve body*
• Economical stainless steel optional meter assembly
• Service flow rate of 70 gpm, backwash 52 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 or upflow brining, slow rinse, second backwash, fast rinse, refill and downflow service
• Coin Cell Lithium battery back-up with a 8 hour carry over
• Level VI 15-volt output DC power supply provides safe and easy installation
• Post treated water regenerant refill
• 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
• Reliable and proven DC drive
Water Specialist 1.5” EE Control Specifications

Inlet/Outlet (1) ................................................................. 1.5” Female NPT
Cycles ............................................................................... Up to 6
Valve Material ...................................................................... Epoxy coated brass
Regeneration ....................................................................... Downflow

CONTROL VALVE FLOW RATES
- Service @15 psi drop (includes meter) ......................... 70 gpm
- Backwash @ 25 psi drop ............................................ 52 gpm
- Cv Service ................................................................. 18.1
- Cv Backwash ............................................................. 10.4

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

OPERATING TEMPERATURES
- Minimum/Maximum ..................................................... 40° – 110° F

METER SPECIFICATIONS
- Accuracy ........................................................................ ± 5%
- Flow Rate Range ......................................................... 0.5 – 75 GPM
- Gallon Range .............................................................. 20 – 1,500,000 gallons
- Totalizer ...................................................................... 1 – 9,999,999 gallons

DIMENSIONS & WEIGHT
- Distributor Pilot
  - Valve bodies with 1.5” Female NPT Inlet & Outlet ............. 1.90” OD (1.5” NPS)
  - Drain Line Connection (2) ........................................ 1.25” Female NPT
  - Adapter Included .................................................. ⅜” Male NPT Elbow
  - Brine Line Connection ........................................... ¾” Female NPT
  - Adapter Included .................................................. ½” OD Poly Tube Compression
  - Mounting Base ...................................................... 4” - 8 UN
  - Height From Top Of Tank ..................................... 7.5”
  - Shipping Weight With Meter .................................. 21 lbs.

ELECTRICAL SPECIFICATIONS
- POWER SUPPLY
  - U.S. .................................................. 100VAC to 120VAC 200VAC to 240VAC
  - International ........................................ 50/60 Hz

TANK APPLICATIONS
- Water Softener ......................................................... 12” – 30” diameter (4)
- Water Filter (3) ......................................................... 12” – 30” diameter

CYCLES OF OPERATION
- Softener
  - Range of time in minutes
  - Backwash 1st (upflow) ............................................ 1-95
  - Regenerate Draw/Slow Rinse (downflow) .............. 1-180
  - Backwash 2nd (upflow) ........................................... 1-95
  - Fast Rinse (downflow) ........................................... 1-95
  - Regenerant Refill (in service with treated water) .. 0.1-99.0 or off
  - Service (downflow)

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. Casting comes with a 1.25” Female NPT drain connection. An adapter is provided to accept existing WS1 drain line ⅜” Male NPT flow controls up to 10 gpm. Other drain line flow controls are available for flow rates above 10 gpm.
3. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area
4. Requires a V3158-02 installed for a brine elbow on the control valve, use of a 454 controlled flow brine valve assembly H7070-36CF-5 or H7070-54CF-5 (designed with 5 gpm BLFC), 1” air check, or 494 brine valve assembly, and minimum ⅜” hard pipe PVC brine line.

U.S. Patents: 6,402,944 • 6,444,127
Form No. 2608 • 3/20/2018