WS1.25

WATER SPECIALIST CONTROL VALVE

- Solid state microprocessor with easy access front panel settings
- Three modes of operation; meter immediate, meter delayed, or time clock delayed
- Double backwash feature offers optimum regeneration, cleaning ability, and efficiency
- Capable of 36 pre-programmed regeneration cycles based on control valve setting
- Days override feature; 1 – 28 days available
- Backwash and brining ability to 21” diameter tanks
- Downflow regeneration
- Stores system configuration and operation data in nonvolatile memory
- Coin Cell Lithium battery back-up with an 8 hour carry over
- 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
- Pre or Post treated water regenerant refill
- Reliable and proven DC drive

Certified to NSF/ANSI/CAN 61, NSF/ANSI 44 and 372.
Water Specialist 1.25” Control Specifications

Inlet/Outlet Fittings: 3/4” to 1.5” NPS
Cycles: up to 6
Valve Material: Fiber Reinforced Composite
Regeneration: Downflow

FLOW RATES
Service @15 psi drop (includes meter) .................. 34 gpm
Backwash @ 25 psi drop .................................... 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 – 50,000 gallons
Totalizer ........................................................ 1000 - 9,999,000 gallons

DIMENSIONS & WEIGHT
Distributor Pilot ............................................. 1.32” OD Pipe (1” NPS) or 32mm OD
Drain Line ..................................................... 3/4” or 1” NPT
Brine Line ..................................................... 3/8” or 1/2” OD Poly Tube
Mounting Base ............................................. 2 1/2” - 8 NPSM
Height From Top Of Tank ......................... 7 3/4”
Weight ......................................................... 4.5 lbs.

ELECTRICAL SPECIFICATIONS

U.S. International
Supply Voltage ........................................... 100VAC to 120VAC ... 200VAC to 240VAC
Supply Frequency ....................................... 50/60 Hz ...................... 50/60 Hz
Output Voltage .......................................... 15VDC ......................... 15VDC
Output Current .......................................... 500 mA ......................... 500 mA

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

CYCLES OF OPERATION
Cycle Range of times minutes
1. Backwash 1st (upflow) ......................... 6 - 12
2. Regenerate Draw/Slow Rinse (downflow) ....... 45 - 75
3. Backwash 2nd (upflow) ......................... 3 - 12
4. Fast Rinse (downflow) ......................... 3 - 8
5. Regenerant Refill (in service with treated water) As Programmed
6. Service (downflow)

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