

Clack[®] 

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
- 12-volt output AC Adapter provides safe and easy installation
- 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
- Control valve design provides optimum service and backwash rates
- Pre or Post treated water regenerant refill
- Reliable and proven DC drive

Water Specialist 1.25" Control Specifications

Inlet/Outlet Fittings.....	¾" to 1.5" NPS	
Cycles	up to 6	
Valve Material	Noryl (1) or equivalent	
Regeneration	downflow	
FLOW RATES		
Service @15 psi drop (includes meter).....	34 gpm	
Backwash @ 25 psi drop	32 gpm (2)	
Cv Service	8.8	
Cv Backwash	6.4	
OPERATING PRESSURES		
Minimum/Maximum	20 psi – 125 psi	
OPERATING TEMPERATURES		
Minimum/Maximum	40° – 110° 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	¾" or 1" NPT	
Brine Line	¾" or ½" OD Poly Tube	
Mounting Base.....	2 ½" - 8 NPSM	
Height From Top Of Tank.....	7 ¾"	
Weight	4.5 lbs.	
ELECTRICAL SPECIFICATIONS		
	AC Adapter	
	<u>U.S.</u>	<u>International</u>
Supply Voltage	120V AC.....	230V AC
Supply Frequency	60 Hz.....	50 Hz
Output Voltage	12V AC.....	12V AC
Output Current	500 mA.....	500 mA
TANK APPLICATIONS		
Water Softener	6" – 21" diameter	
Water Filter (3).....	6" – 24" diameter	
CYCLES OF OPERATION		
Cycle	Range of times minutes	
1. Backwash 1 st (upflow)	6 - 12	
2. Regenerate Draw/Slow Rinse (downflow)	45 - 75	
3. Backwash 2 nd (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. Noryl is a trademark of Sabic Innovative Plastics IP B.V. Company
2. Aquired by use of external drain line flow control
3. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area