



Clack®

WS1.25EE

WATER
SPECIALIST
CONTROL
VALVE



shown with optional bypass



Certified to NSF/ANSI 44 and NSF/ANSI/CAN 61 and 372.

- Solid state microprocessor with easy access front panel settings
- Service flow rate of 34 gpm, backwash 32 gpm
- 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 an 8 hour carry over
- Backwash and brining ability to 21" diameter tanks
- Downflow or upflow brining regeneration
- 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
- Post treated water regenerant refill
- Reliable and proven DC drive

Water Specialist 1.25" EE Control Specifications



Inlet/Outlet Fittings	¾" to 1.5" NPS
Cycles	up to 6
Valve Material	Fiber Reinforced Composite
Regeneration	Downflow
FLOW RATES	

Service @15 psi drop (includes meter, bypass, and 1.25" fitting kit)	34 gpm
Backwash @ 25 psi drop (includes bypass)	32 gpm (1)
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 – 1,500,000 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" Male NPT
Brine Line	¾" or ½" OD Poly Tube Compression
Mounting Base	2 ½" - 8 NPSM
Height From Top Of Tank	7 ¾"
Weight	4.5 lbs.

ELECTRICAL SPECIFICATIONS	POWER SUPPLY	
	<u>U.S.</u>	<u>International</u>
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	<u>Softener</u> <u>Filter</u>
	Range of time in minutes
1. Backwash 1st (upflow)	1-95 Backwash 1-95
2. Regenerate Draw/Slow Rinse (downflow)	1-180
3. Backwash 2nd (upflow).....	1-95
4. Fast Rinse (downflow)	1-95 Rinse 1-95
5. Regenerant Refill (in service with treated water)	0.1-99.0 or off
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