



WS1.25EI

**WATER
SPECIALIST
CONTROL
VALVE**



shown with optional bypass



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

- 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 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
- 24 Hour Clock
- Mixing Valve option available
- Reliable and proven DC drive

Water Specialist 1.25" EI Control Specifications

Inlet/Outlet Fittings.....	3/4" to 1.5" NPS
Cycles	up to 6
Valve Material	Glass Filled Composite
Regeneration	Downflow

FLOW RATES

Service @15 psi/1 bar drop (includes meter, bypass, and 1.25" fitting kit)	129 lpm (7.7 m ³ /h) (34 gpm)
Backwash @ 25 psi/1.7 bar drop.....	121 lpm (7.3 m ³ /h) (32 gpm) (1)

OPERATING PRESSURES

Minimum/Maximum	20 - 125 psi (1.4 - 8.6 bar)
-----------------------	------------------------------

OPERATING TEMPERATURES

Minimum/Maximum	40° - 110° F (4° - 43°C)
-----------------------	--------------------------

METER

Accuracy	± 5%
Flow Rate Range.....	0.95 - 129 lpm
Volume Range	0.02 - 5,700 m ³
Totalizer	0.001 - 9,999,000 m ³

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 3/8" (187 mm)
Weight	4.5 lb (2 kg)

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	Softener	Filter
	Range of time in minutes	
1. Backwash 1 st (upflow)	1-95.....	Backwash 1-95
2. Regenerate Draw/Slow Rinse (downflow)	1-180	
3. Backwash 2 nd (upflow).....	1-95.....	Rinse 1-95
4. Fast Rinse (downflow)	1-95	
5. Regenerant Refill (in service with treated water).....	0.1-99.0	
6. 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. Acquired by use of external drain line flow control

2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area/407 lpm per m² of bed area