

Clack® 

# WS1.5PEE

**WATER  
SPECIALIST  
CONTROL  
VALVE**

**NSF**

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

Inlet/Outlet Fitting Kit Included

- 1.5" top mount control valve suited for mid-size commercial/industrial applications
- Glass filled composite
- Economical plastic optional meter assembly
- Service flow rate of 60 gpm, backwash 43 gpm
- Upflow/downflow brining field convertible
- 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 backup for time of day up to 8 hours
- Level VI 15-volt output DC power supply provides safe and easy installation
- Post treated water regenerant refill
- Days override feature; 1 – 28 days available
- 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" Plastic EE Control Specifications

Inlet/Outlet (1) .....	1.5" Male NPT
Cycles .....	Up to 6
Valve Material .....	Glass filled composite
Regeneration .....	Downflow / Upflow

## CONTROL VALVE FLOW RATES

Service @15 psi drop (includes meter).....	60 gpm
Backwash @ 25 psi drop .....	43 gpm

## OPERATING PRESSURES

Minimum/Maximum .....	20 psi – 125 psi
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## OPERATING TEMPERATURES

Minimum/Maximum .....	40° – 110° F
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## DIMENSIONS & WEIGHT

Distributor Pilot	
Valve bodies with 1.5" Female NPT Inlet & Outlet .....	1.90" OD (1.5" NPS)
Drain Line Connection .....	1" Male NPT Elbow
Brine Line Connection .....	½" OD Poly Tube Compression
Mounting Base .....	4" - 8 UN
Height From Top Of Tank.....	10.75"
Shipping Weight.....	9 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 .....	12" – 24" diameter
Water Filter .....	12" – 24" diameter

## CYCLES OF OPERATION

Cycle	<u>Softener</u>	<u>Filter</u>
	Range of time in minutes	
1. Backwash 1 <sup>st</sup> (upflow) .....	1-95.....	Backwash 1-95
2. Regenerate Draw/Slow Rinse (downflow) .....	1-180	
3. Backwash 2 <sup>nd</sup> (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, 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. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area