

# Clack Corporation

**WS1.25**  
**EI**

## **WATER SPECIALIST** **1.25" EI CONTROL VALVE**



shown with optional bypass

- 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 6-cycle control delivers controlled backwash, downflow brining/slow rinse, second backwash, fast rinse, refill and downflow service
- Backwash and brining ability to 22" diameter tanks
- Downflow regeneration
- 12-volt output AC Adapter provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Treated water regenerant refill
- 24 Hour Clock
- Mixing Valve option available
- Reliable and proven DC drive

# Water Specialist 1.25" El Control Specifications

Inlet/Outlet Fittings.....	¾" to 1.25" NPS
Cycles .....	up to 6
Valve Material .....	Noryl (1) or equivalent
Regeneration .....	downflow

## FLOW RATES

Service @15 psi/1 bar drop (includes meter).....	34 gpm (129 lpm)
Backwash @ 25 psi/1.7 bar drop.....	32 gpm (121 lpm) (2)

## OPERATING PRESSURES

Minimum/Maximum .....	20 - 125 psi (1.4 - 8.6 bar)
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## OPERATING TEMPERATURES

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

Accuracy .....	± 5%
Flow Rate Range.....	0.95 - 129 lpm
Volume Range .....	0.500 - 250.0 m <sup>3</sup>
Totalizer .....	0.001 - 9,999,000 m <sup>3</sup>

## 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" (187 mm)
Weight .....	4.5 lbs. (2 kg)

## 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" - 22" Diameter
Water Filter (3).....	6" - 24" Diameter

## CYCLES OF OPERATION

Cycle	Range of times minutes
1. Backwash 1 <sup>st</sup> (upflow) .....	1 - 20 or OFF
2. Regenerate Draw/Slow Rinse (downflow) .....	1 - 99 or OFF
3. Backwash 2 <sup>nd</sup> (upflow).....	1 - 20 or OFF
4. Fast Rinse (downflow) .....	1 - 20 or OFF
5. Regenerant Refill (in service with treated water).....	0.1 to 99.9 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. Noryl is a trademark of General Electric

2. Acquired by use of external drain line flow control

3. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area/407 lpm per m<sup>2</sup> of bed area