

Clack Corporation 

**WS1.25**

# **WATER SPECIALIST 1.25" CONTROL VALVE**



shown with optional bypass

- **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**
- **36 selectable pre-programmed regeneration cycles**
- **Days override feature; 1 – 28 days available**
- **Backwash and brining ability to 22" 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**
- **Control valve design provides optimum service and backwash rates**
- **Treated water regenerant refill**
- **Reliable and proven DC drive**

# Water Specialist 1.25" 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 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
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## OPERATING TEMPERATURES

Minimum/Maximum .....	40° – 110° F
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## 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" – 22" diameter
Water Filter (3).....	6" – 24" diameter

## CYCLES OF OPERATION

Cycle	Range of times minutes
1. Backwash 1 <sup>st</sup> (upflow) .....	6 - 12
2. Regenerate Draw/Slow Rinse (downflow) .....	45 - 75
3. Backwash 2 <sup>nd</sup> (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 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