

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**
- **Capacitor back-up with up to 2 hour power 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 .....	⅜" or ½" OD Poly Tube
Mounting Base.....	2 ½" - 8 NPSM
Height From Top Of Tank.....	7 ⅜"
Weight .....	4.5 lbs.

## ELECTRICAL SPECIFICATIONS

### AC Adapter

	U.S.	International
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