

**Clack**<sup>®</sup> 

# WS1.25CS

## **WATER SPECIALIST 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
- 73 selectable pre-programmed regeneration cycles
- Days override feature; 1 – 28 days available
- Backwash and brining ability to 21" 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
- 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
- Control valve design provides optimum service and backwash rates
- Pre or Post treated water regenerant refill
- Reliable and proven DC drive

# Water Specialist 1.25" CS Control Specifications

Inlet/Outlet Fittings.....	¾" to 1.5" 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 .....	1,000 - 9,999,000 gallons

## DIMENSIONS & WEIGHT

Distributor Pilot.....	1.32" OD Pipe (1" NPS) or 32 mm 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" - 21" Diameter
Water Filter (3) .....	6" - 24" Diameter

## CYCLES OF OPERATION

Cycle	Range of values
1. Backwash 1 <sup>st</sup> (upflow) .....	6 - 16
2. Regenerate Draw/Slow Rinse (downflow) .....	45 - 75
3. Backwash 2 <sup>nd</sup> (upflow).....	3 - 12
4. Fast Rinse (downflow) .....	3 - 10
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 Sabic Innovative Plastics IP B.V. Company
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