

WS1TC

WATER SPECIALIST CONTROL VALVE



Certified to NSF/ANSI 44, 61 and 372.

- More informative 4 digit LCD Display with Status Indicators
- Solid state microprocessor with easy access front panel settings
- Service flow rate of 27 gpm, backwash 27 gpm
- Backwash and brining ability to 21" diameter tanks
- Front panel display for time of day, days until next regeneration
- Days between regeneration feature: 1-99 days standard; 7-day optional
- Double backwash feature offers optimum regeneration, cleaning ability and efficiency
- 10 selectable pre-programmed regeneration cycles
- Coin Cell Lithium battery back-up with a 8 hour carry over
- Auto detection of 50/60 Hz line frequency, with automatic 12/24 hour time keeping formats
- 12-volt output AC Adapter provides safe and easy installation
- Post treated water regenerant refill
- 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" TC 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 bypass) 27 gpm
Backwash @ 25 psi drop (includes bypass) 27 gpm
Cv Service 7.0
Cv Backwash 5.4

OPERATING PRESSURES

Minimum/Maximum 20 psi – 125 psi

OPERATING TEMPERATURES

Minimum/Maximum 40° – 110° F

DIMENSIONS & WEIGHT

Distributor Pilot 1.050" OD Pipe (¾" NPS)
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>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 (2) 6" – 21" diameter

CYCLES OF OPERATION (Softener Downflow)

Cycle	Range of times minutes
1. Backwash 1 st (upflow)	3 - 12
2. Regenerate Draw/Slow Rinse (downflow)	50 - 70
3. Backwash 2 nd (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 concentration 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. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area

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