

Clack®



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
- Level VI 15-volt output DC power supply 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 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

POWER SUPPLY

	<u>U.S.</u>	<u>International</u>
Supply Voltage	100VAC to 120VAC	200VAC to 240VAC
Supply Frequency	50/60 Hz.....	50/60 Hz
Output Voltage	15VDC.....	15VDC
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