



Clack®

WSITC

WATER
SPECIALIST
CONTROL
VALVE



Certified to NSF/ANSI 44, NSF/ANSI/CAN 61 and 372.

shown with optional bypass

- 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 for mats
- Level VI 15-volt output DC power supply provides safe and easy installation
- Post treated water regenerant refill
- Reliable and proven DC drive
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation

Water Specialist 1" TC Control Specifications



Inlet/Outlet Fittings	¾" to 1.5" NPS
Cycles	up to 6
Valve Material	Fiber Reinforced Composite
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	3/8" or ½" OD Poly Tube
Mounting Base	2 ½" - 8 NPSM
Height From Top Of Tank	7 3/8"
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 (1)	6" – 21" diameter

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