



Clack®

WS1.25TC

WATER
SPECIALIST
CONTROL
VALVE



shown with optional bypass



Certified to NSF/ANSI 44 and NSF/ANSI/CAN 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 34 gpm, backwash 32 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
- Patented one piece expanding seal spacer stack assembly
- Patented linearly reciprocating piston operation
- Post treated water regenerant refill
- Reliable and proven DC drive

Water Specialist 1.25" TC Control Specifications

Inlet/Outlet Fittings¾" to 1.5" NPS
 Cyclesup to 6
 Valve MaterialFiber Reinforced Composite
 RegenerationDownflow
 FLOW RATES

Service @15 psi drop (includes bypass and 1.25" fitting kit)34 gpm
 Backwash @ 25 psi drop32 gpm (1)
 Cv Service8.8 Cv
 Backwash6.4

OPERATING PRESSURES
 Minimum/Maximum20 psi – 125 psi

OPERATING TEMPERATURES
 Minimum/Maximum40° – 110° F

DIMENSIONS & WEIGHT
 Distributor Pilot1.32" OD Pipe (1" NPS) or 32mm OD
 Drain Line¾" or 1" NPT
 Brine Line3/8" or ½" OD Poly Tube
 Mounting Base2 ½" - 8 NPSM
 Height From Top Of Tank7 3/8"
 Weight4.5 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 Softener6" – 21" diameter
 Water Filter (2)6" – 24" 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. Acquired by use of external drain line flow control
2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area