Clack™ ez®

WS1 TC

WATER SPECIALIST 1" TC CONTROL VALVE



shown with optional bypass

- Backwash and brining ability to 21" diameter tanks
- Solid state microprocessor with easy access front panel settings
- Double backwash feature offers efficiency, optimum regeneration and cleaning ability
- Days between regeneration feature: 1–99 days standard; 7-day optional
- Downflow regeneration
- 10 selectable pre-programmed regeneration cycles
- Stores system configuration and operation data in nonvolatile memory
- 12-volt output AC Adapter provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Post treated water regenerant refill
- 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.S.	International
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 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. 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