

**WS1.25
TC**

WATER SPECIALIST 1.25" TC CONTROL VALVE



shown with optional bypass

- **Backwash and brining ability to 22" 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**
- **Treated water regenerant refill**
- **Reliable and proven DC drive**

Water Specialist 1.25" TC Control Specifications

Inlet/Outlet Fittings.....	3/4" to 1.25" NPS
Cycles	up to 6
Valve Material	Noryl (1) or equivalent
Regeneration	downflow

FLOW RATES

Service @15 psi drop	34 gpm
Backwash @ 25 psi drop	32 gpm (2)
Cv Service	8.8
Cv Backwash	6.4

OPERATING PRESSURES

Minimum/Maximum	20 psi – 125 psi
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OPERATING TEMPERATURES

Minimum/Maximum	40° – 110° F
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DIMENSIONS & WEIGHT

Distributor Pilot.....	1.32" OD Pipe (1" NPS) or 32mm OD
Drain Line	3/4" or 1" NPT
Brine Line	3/8" or 1/2" OD Poly Tube
Mounting Base.....	2 1/2" - 8 NPSM
Height From Top Of Tank.....	7 3/8"
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" – 22" diameter
Water Filter (3).....	6" – 24" 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 General Electric
2. Acquired by use of external drain line flow control
3. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area