



WATER SPECIALIST 1" 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" TC Control Specifications

Inlet/Outlet Fittings.....	¾" to 1.25" 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
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OPERATING TEMPERATURES

Minimum/Maximum	40° – 110° F
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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

AC Adapter

	<u>U.S.</u>	<u>International</u>
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 (2).....	6" – 22" 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. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area