

Water Specialist 1" TC Control Valve



- Backwash and brining ability to 22" diameter tanks
- Solid state microprocessor with easy access front panel settings
- Double backwash feature offers efficiency and 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 transformer provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Treated water regenerant refill

Water Specialist 1" TC Control Specifications

Inlet/Outlet	1"
Cycles	2-5
Valve Material	Noryl (1)

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
Regeneration	downflow

DIMENSIONS

Distributor Pilot	1" (1.050) OD Pipe
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.
Current Draw and Voltage	0.5A 110v

TANK APPLICATIONS

Water Softener	6" - 22" diameter
Water Filter (2)	6" - 22" diameter

CYCLES OF OPERATION (Softener Downflow)

Cycle	Range of times min.
1. Backwash 1 st (upflow)	3 - 12
2. Regenerate Draw (downflow)	50 - 70
3. Backwash 2 nd (upflow)	3 - 12
4. Rinse (downflow)	3 - 8
5. Regenerant Refill (in service with treated water)	As Programmed
6. Service	

Options: Backwash Filter, 3/4" & 1" inlet/outlet, Bypass, Weather Cover

Compatible with the following regenerants or chemicals: Sodium Chloride, potassium chloride, potassium permanganate, sodium bisulfite, sodium hydroxide, hydrochloric acid, chlorine and chloramines

1. Noryl is a trademark of General Electric
2. Filter tank size calculated @ 10 gpm per square foot of bed area