

Water Specialist 1" Control Valve



- Solid state microprocessor with easy access front panel settings
- Three modes of operation meter immediate, meter delayed, or time clock delayed
- Double backwash feature, offers optimum regeneration, cleaning ability, and efficiency
- 36 selectable pre-programmed regeneration cycles
- Days override feature 1 – 28 day's available
- Backwash and brining ability to 22" diameter tanks
- Downflow/upflow regeneration
- Stores system configuration and operation data in non volatile memory
- Capacitor back-up with two hour power carry over
- 12 volt transformer provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Treated water regenerant refill

Water Specialist 1" Control Specifications

Inlet/Outlet	1"
Cycles	3 - 6
Valve Material	Noryl (1)

FLOW RATES

Service @15 psi drop (includes bypass and meter)	27 gpm
Backwash @ 25 psi drop (includes bypass and meter).....	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/upflow

METER

Accuracy	± 5%
Flow Rate Range	0.25 – 27 GPM
Gallon Range	20 – 50,000

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" – 21" diameter
Water Filter (2).....	6" – 21" diameter

CYCLES OF OPERATION (Softener Downflow)

Cycle	Range of times min.
1. Backwash 1 st (upflow)	6 - 12
2. Regenerate Draw (downflow)	45 - 75
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