

Water Specialist 1" Control Valve



shown with optional bypass

- 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 up to two hour power carry over
- 12-volt output AC Adapter 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)
Regeneration	downflow/upflow

FLOW RATES

Service @15 psi drop (includes bypass and meter)	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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METER

Accuracy	± 5%
Flow Rate Range	0.25 – 27 GPM
Gallon Range	20 – 50,000
Totalizer	1000 - 9,999,000

DIMENSIONS & WEIGHT

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.

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 min.
1. Backwash 1 st (upflow)	6 - 12
2. Regenerate Draw/Slow Rinse (downflow)	45 - 75
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, 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