

- 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
- Capable of 36 pre-programmed regeneration cycles based on control valve setting
- Days override feature; 1 28 days available
- Backwash and brining ability to 21" diameter tanks
- Downflow/upflow regeneration
- Stores system configuration and operation data in nonvolatile memory
- Coin Cell Lithium battery back-up with an 8 hour carry over
- 12-volt output AC Adapter provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Pre or Post treated water regenerant refill
- Patented one piece expanding seal spacer stack assembly U.S. Patent 6,402,944
- Patented linearly reciprocating piston operation U.S. Patent 6,444,127
- Patented quiet drain line flow control assembly U.S. Patent 6,776,901
- Reliable and proven DC drive

## **Water Specialist 1" Control Specifications**

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Inlet/Outlet Fittings	¾" to 1.5" NPS
Cycles	up to 6
Valve Material	Noryl (1) or equivalent
Regeneration	downflow/upflow
FLOW RATES	
Service @15 psi drop (includes bypass and meter)	27 gpm
Backwash @ 25 psi drop (includes bypass)	
Cv Service	• •
Cv Backwash	5.4
OPERATING PRESSURES	
Minimum/Maximum	20 psi – 125 psi
OPERATING TEMPERATURES	400 4400 =
Minimum/Maximum	40° – 110° F
METER	
Accuracy	± 5%
Flow Rate Range	
Gallon Range	— ·
Totalizer	
DIMENSIONS & WEIGHT	
Distributor Pilot	1 050" OD Dipo (3/" NDS)
Drain Line	. , ,
Brine Line	
Mounting Base	•
Height From Top Of Tank	
Weight	
ELECTRICAL SPECIFICATIONS	AC Adapter
O and Walley	U.S. International
Supply Voltage	
Supply Frequency	
Output Voltage	
Output Current	500 mA 500 mA
TANK APPLICATIONS	
Water Softener	6" - 21" diameter
Water Filter (2)	6" – 21" diameter
CYCLES OF OPERATION (Softener Downflow)	
Cycle	Range of times minutes
1. Backwash 1st (upflow)	
Regenerate Draw/Slow Rinse (downflow)	
3. Backwash 2 <sup>nd</sup> (upflow)	
4. Fast Rinse (downflow)	
Regenerant Refill (in service with treated water)	
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 Sabic Innovative Plastics IP B.V. Company
- 2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area