

- 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
- 73 selectable pre-programmed regeneration cycles
- 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
- Reliable and proven DC drive

Water Specialist 1" CS Control Specifications

Inlet/Outlet Fittings	¾" to 1.5" NPS
Cycles	
Valve Material	Noryl (1) or equivalent
Regeneration	downflow/upflow
FLOW RATES	
Service @15 psi drop (includes bypass and meter)	27 apm
Backwash @ 25 psi drop (includes bypass)	
Cv Service	•
Cv Backwash	
OPERATING PRESSURES	
Minimum/Maximum	20 psi – 125 psi
OPERATING TEMPERATURES	
Minimum/Maximum	40° – 110° F
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METER	
Accuracy	
Flow Rate Range	v.
Gallon Range	
Totalizer	1000 - 9,999,000 gallons
DIMENSIONS & WEIGHT	
Distributor Pilot	1.050" OD Pipe (¾" NPS)
Drain Line	
Brine Line	
Mounting Base	•
Height From Top Of Tank	
Weight	
ELECTRICAL SPECIFICATIONS	AC Adapter
ELECTRICAL SPECIFICATIONS	U.S. International
Supply Voltage	
Supply Frequency	
Output Voltage	
Output Current	
Output Outroite	
TANK APPLICATIONS	
Water Softener	
Water Filter (2)	6" - 21" Diameter
CYCLES OF OPERATION (Softener Downflow)	
0	Range of times minutes
Cycle	
Cycle 1. Backwash 1 st (upflow)	
	6 - 16
1. Backwash 1st (upflow)	6 - 16 45 - 75
1. Backwash 1 st (upflow)2. Regenerate Draw/Slow Rinse (downflow)	6 - 16 45 - 75 3 - 12
Backwash 1 st (upflow) Regenerate Draw/Slow Rinse (downflow) Backwash 2 nd (upflow)	6 - 16 45 - 75 3 - 12 3 - 10

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations 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