



True Water Softener

WATER SPECIALIST 1" CS 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
- 66 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
- Reliable and proven DC drive



Water Specialist 1" CS Control Specifications

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)	27 gpm	
Cv Service	7.0	
Cv Backwash	5.4	
OPERATING PRESSURES		
Minimum/Maximum	20 psi - 125 psi	
OPERATING TEMPERATURES		
Minimum/Maximum	40° - 110° F	
METER		
Accuracy	± 5%	
Flow Rate Range.....	0.25 - 27 gpm	
Gallon Range.....	20 - 50,000 gallons	
Totalizer	1000 - 9,999,000 gallons	
DIMENSIONS & WEIGHT		
Distributor Pilot	1.050" OD Pipe (¾" NPS)	
Drain Line	¾" or 1" NPT	
Brine Line	¾" or ½" OD Poly Tube	
Mounting Base.....	2 ½" - 8 NPSM	
Height From Top Of Tank.....	7 ¾"	
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" - 21" Diameter	
Water Filter (2).....	6" - 21" Diameter	
CYCLES OF OPERATION (Softener Downflow)		
Cycle	Range of times minutes	
1. Backwash 1 st (upflow).....	6 - 16	
2. Regenerate Draw/Slow Rinse (downflow)	45 - 75	
3. Backwash 2 nd (upflow)	3 - 12	
4. Fast Rinse (downflow)	3 - 10	
5. Regenerant Refill (in service with treated water).....	As Programmed	
6. Service (downflow)		