

Clack Corporation 



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 days available
- Backwash and brining ability to 22" diameter tanks
- Downflow/upflow regeneration
- Stores system configuration and operation data in nonvolatile memory
- Capacitor back-up with up to 2 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
- Reliable and proven DC drive

Water Specialist 1" Control Specifications

Inlet/Outlet Fittings..... ¾" to 1.25" 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" – 22" diameter
 Water Filter (2)..... 6" – 22" diameter

CYCLES OF OPERATION (Softener Downflow)

Cycle	Range of times minutes
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, chlorine and chloramines

1. Noryl is a trademark of General Electric
 2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area