

Clack Corporation



Water Specialist **1" EI Control Valve**



shown with optional bypass

- Solid state microprocessor with easy access front panel settings
- Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer)
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
- Fully adjustable 6-cycle control delivers controlled backwash, downflow brining/slow rinse, second backwash, fast rinse, refill and downflow service
- Backwash and brining ability to 22" diameter tanks
- Downflow regeneration
- 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" EI Control Specifications

Inlet/Outlet Fittings..... ¾" to 1.25" NPS
 Cycles up to 6
 Valve Material Noryl (1) or equivalent
 Regeneration downflow

FLOW RATES

Service @15 psi/1 bar drop (includes bypass and meter)..... 102 lpm
 Backwash @ 25 psi/1.7 bar drop (includes bypass)..... 102 lpm

OPERATING PRESSURES

Minimum/Maximum 20 - 125 psi (1.4 - 8.6 bar)

OPERATING TEMPERATURES

Minimum/Maximum 40° - 110° F (4° - 43°C)

METER

Accuracy ± 5%
 Flow Rate Range..... 0.95 - 102 lpm
 Volume Range 0.500 - 250.0 m³
 Totalizer 0.001 - 9,999,000 m³

DIMENSIONS & WEIGHT

Distributor Pilot 1.050" OD Pipe (¾" NPS)
 Drain Line ¾" or 1" NPT
 Brine Line ⅜" or ½" OD Poly Tube
 Mounting Base 2 ½" - 8 NPSM
 Height From Top Of Tank..... 7 ⅜" (187 mm)
 Weight 4.5 lbs. (2 kg)

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

Cycle	Range of times minutes
1. Backwash 1 st (upflow)	1 - 20 or OFF
2. Regenerate Draw/Slow Rinse (downflow)	1 - 99 or OFF
3. Backwash 2 nd (upflow)	1 - 20 or OFF
4. Fast Rinse (downflow)	1 - 20 or OFF
5. Regenerant Refill (in service with treated water).....	0.1 to 99.9 or OFF
6. Service (downflow)	

Options: Backwash Filter, 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 General Electric

2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area/407 lpm per m² of bed area