

Clack Corporation 



# Water Specialist 1" CI 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
- Program in ppm, French degrees, German degrees, or cubic meters
- Fully programmable regeneration cycle sequence (maximum 9)
- Programmable regeneration cycle times
- 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
- Mixing valve option available
- Low salt alarm
- 24-hour clock
- Reliable and proven DC drive

# Water Specialist 1” Cl Control Specifications

Inlet/Outlet Fittings.....	¾" to 1.25" NPS
Cycles .....	up to 9
Valve Material .....	Noryl (1) or equivalent
Regeneration .....	downflow/upflow

## 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)
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## OPERATING TEMPERATURES

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

Accuracy .....	± 5%
Flow Rate Range.....	1 - 102 lpm
Volume Range .....	0.02 m <sup>3</sup> - 325.00 m <sup>3</sup>
Totalizer .....	1 m <sup>3</sup> - 99,999 m <sup>3</sup>

## 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" (187 mm)
Weight .....	4.5 lbs (2 kg)

## ELECTRICAL SPECIFICATIONS

	AC Adapter	
	U.S.	International
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

Choose up to nine regeneration cycles, in any order, with a wide range of available values:

Cycle	Range of values
Backwash.....	1 - 120 minutes
Rinse.....	1 - 120 minutes
Pause (service).....	1 - 480 minutes
Brine (co-current).....	1 - 180 minutes
Brine (counter-current) .....	1 - 180 minutes
Refill (softener) .....	0.05 - 95.00 Kg
Refill (filter) .....	0.05 - 95.00 Liters

*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 General Electric

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