



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
- Coin Cell Lithium battery back-up with a 24 hour 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" CI Control Specifications

Inlet/Outlet Fittings.....	¾" to 1.5" 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	0.10 m ³ - 2000.0 m ³
Totalizer	1 m ³ - 99,999 m ³

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>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

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