Clack® ez®

WS1CI

WATER SPECIALIST CONTROL VALVE

TIME
12:00

SET CLOCK   NEXT   REGEN

△   ▽

shown with optional bypass

- Solid state microprocessor with easy access front panel settings
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- 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 21" 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
- Pre or Post treated water regenerant refill
- Mixing valve option available
- Low salt alarm
- 24-hour clock
- Patented one piece expanding seal spacer stack assembly U.S. Patent 6,402,944
- Patented linearly reciprocating piston operation U.S. Patent 6,444,127
- 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 (6.12 m³/h) (27 gpm)
Backwash @ 25 psi/1.7 bar drop (includes bypass).................. 102 lpm (6.12 m³/h) (27 gpm)

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 .... 0.02 - 5,700 m³
Totalizer .... 1 m³ - 99,999 m³

DIMENSIONS & WEIGHT
Distributor Pilot .... 1.050" OD Pipe (¾" NPS)
Drain Line .... ¾" or 1" NPT
Brine Line .... ³/₈" or ½" OD Poly Tube
Mounting Base.. 2 ½"- 8 NPSM
Height From Top Of Tank.. 7 ³/₈" (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" - 21" Diameter
Water Filter (2) .... 6" - 16" 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 Sabic Innovative Plastics IP B.V. Company
2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area