

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” CI Control Specifications

Inlet/Outlet Fittings.....	¾" to 1¼"
Cycles	up to 6
Valve Material	Noryl (1) or equivalent
Regeneration	downflow

FLOW RATES

Service @ 1,0 bar psi drop (includes bypass)	6,0 m³/h
Backwash @ 1,7 bar drop (includes bypass)	6,0 m³/h
Cv Service	7.0
Cv Backwash	5.4

OPERATING PRESSURES

Minimum / Maximum	1,5 bar – 8,6 bar.
-------------------------	--------------------

OPERATING TEMPERATURES

Minimum / Maximum	5 °C – 43 °C
-------------------------	--------------

METER

Accuracy	± 5%
Flow Rate Range.....	1,0 - 100 ltr / min
Volume Range	0.5 – 250 m³
Totalizer	0,001 – 9.999.000 m³

DIMENSIONS & WEIGHT

Distributor Pilot	1.050" OD Pipe (26,7mm)
Drain Line	¾" or 1" NPT
Brine Line	½" OD Poly Tube
Mounting Base	2 ½" - 8 NPSM
Height From Top Of Tank.....	187 mm
Weight	2,0 kg

ELECTRICAL SPECIFICATIONS

Supply Voltage	AC Adapter 230V AC
Supply Frequency	50 Hz
Output Voltage	12V AC
Output Current	500 mA

TANK APPLICATIONS

Water Softener Diameter.....	6" – 22" (150 – 550 mm)
Water Filter (2) Diameter.....	6" – 22" (150 – 550 mm)

CYCLES OF OPERATION (Softener Downflow)

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 Liter

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 @ 25 m³/h of backwash per m² of bed area