

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 1.5" 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) |
|-----------------------|------------------------------|

OPERATING TEMPERATURES

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

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.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