

Clack[®] 

WS2CI/QC

WATER SPECIALIST CONTROL VALVE



Certified to NSF/ANSI 61 and 372*

- 2" top mount or side mount control valve suited for commercial/industrial applications
- Epoxy coated lead free brass valve body*
- Economical stainless steel optional meter assembly
- Service flow rate of 473 lpm (28.4 m³/h) (125 gpm), backwash 322 lpm (19.3 m³/h) (85 gpm)
- Solid state microprocessor with easy access front panel settings
- Front panel display for time of day, days until next regeneration, volume remaining and current flow rate
- 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
- Coin Cell Lithium battery back-up with an 24 hour carry over
- 12-volt output AC Adapter provides safe and easy installation
- Pre or Post treated water regenerant refill
- 24 Hour Clock
- Reliable and proven DC drive
- 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



Optional 2" Meter



Side Mount Adapter

Water Specialist 2" CI/QC Control Specifications

| | |
|---|---|
| Inlet/Outlet (1) | 2" Female BSPT or NPT |
| Cycles | up to 9 |
| Valve Material | Lead free brass |
| Regeneration | Downflow |
| CONTROL VALVE FLOW RATES | |
| Service @ 1 bar/15 psi drop | 473 lpm (28.4 m ³ /h) (125 gpm) |
| Backwash @ 1.7 bar/25 psi drop..... | 322 lpm (19.3 m ³ /h) (85 gpm) |
| Cv Service | 32.3 |
| Cv Backwash | 17.0 |
| OPERATING PRESSURES | |
| Minimum/Maximum | 1.4 - 8.6 bar (20 psi - 125 psi) |
| OPERATING TEMPERATURES | |
| Minimum/Maximum | 4° - 43° C (40° - 110° F) |
| METER SPECIFICATIONS | |
| Accuracy | ± 5% |
| Flow Rate Range..... | 5.7 - 568 lpm (1.5 - 150 gpm) |
| Volume Range | 0.02 - 5,700 m ³ |
| Totalizer | 1 - 99,999 m ³ (264 - 26,417,000 gallons) |
| DIMENSIONS & WEIGHT | |
| Distributor Pilot | |
| Valve bodies with 2" Female BSPT Inlet & Outlet..... | 63mm OD |
| Valve bodies with 2" Female NPT Inlet & Outlet | 2.37" OD (2" NPS) |
| Drain Line Connection | 1.5" Female NPT |
| Brine Line Adapters Included..... | 1" Male NPT elbow, 3/4" x 1" solvent weld elbow and 1/2" OD Poly Tube Compression |
| Mounting Base | 4" - 8 UN, 6" Flange or Side Mount |
| Height From Top Of Tank with 4" - 8 UN QC Base | 284.5mm (11.2") |
| Height From Top Of Tank with 6" Flange QC Base | 287mm (11.3") |
| Shipping Weight With Meter | 14 Kg (30 lbs.) |
| ELECTRICAL SPECIFICATIONS | |
| | AC Adapter |
| | <u>International</u> <u>U.S.</u> |
| Supply Voltage | 230V AC..... 120V AC |
| Supply Frequency..... | 50 Hz..... 60 Hz |
| Output Voltage | 12V AC..... 12V AC |
| Output Current | 500 mA..... 500 mA |
| TANK APPLICATIONS | |
| Water Softener | 12" - 48" diameter |
| Water Filter (2)..... | 12" - 36" 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 |
| Refill (softener) | 0.1 - 99.0 minutes |
| Refill (filter) | 0.1 - 99.0 minutes |

Options: Backwash Filter, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines

1. See Distributor Pilot

2. Filter tank size calculated @ 407 lpm per m² of bed area /10 gpm of backwash per square foot of bed area