

# Clack®

# WS1.5PCI

**WATER  
SPECIALIST  
CONTROL  
VALVE**

**NSF**

Certified to NSF/ANSI/CAN 61 and NSF/ANSI 372.

- 1.5" top mount control valve suited for mid-size commercial/industrial applications
- Glass filled composite
- Economical plastic optional meter assembly
- Service flow rate of 227 lpm (13.6 m<sup>3</sup>/h) (60 gpm), backwash 163 lpm (9.8 m<sup>3</sup>/h) (43 gpm)
- Upflow/downflow brining field convertible
- 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 a 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
- Level VI 15-volt output DC power supply provides safe and easy installation
- Pre or Post treated water regenerant refill
- Low salt alarm
- Coin cell lithium battery backup for time of day up to 24 hours
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation
- Reliable and proven DC drive

# Water Specialist 1.5" Plastic CI Control Specifications

|                        |                        |
|------------------------|------------------------|
| Inlet/Outlet (1) ..... | 1.5" Male BSPT or NPT  |
| Cycles .....           | Up to 9                |
| Valve Material .....   | Glass filled composite |
| Regeneration .....     | Downflow/Upflow        |

## CONTROL VALVE FLOW RATES

|                                                    |                                           |
|----------------------------------------------------|-------------------------------------------|
| Service @ 1 bar/15 psi drop (includes meter) ..... | 227 lpm (13.6 m <sup>3</sup> /h) (60 gpm) |
| Backwash @ 1.7 bar/25 psi drop .....               | 163 lpm (9.8 m <sup>3</sup> /h) (43 gpm)  |

## OPERATING PRESSURES

|                       |                              |
|-----------------------|------------------------------|
| Minimum/Maximum ..... | 1.4 - 8.6 bar (20 - 125 psi) |
|-----------------------|------------------------------|

## OPERATING TEMPERATURES

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

## DIMENSIONS & WEIGHT

|                                                         |                                 |
|---------------------------------------------------------|---------------------------------|
| Distributor Pilot                                       |                                 |
| Valve bodies with 1.5" Female BSPT Inlet & Outlet ..... | 50 mm OD                        |
| Valve bodies with 1.5" Female NPT Inlet & Outlet .....  | 1.90" OD (1.5" NPS)             |
| Drain Line Connection .....                             | 1" Male Elbow BSPT or NPT Elbow |
| Brine Line Connection .....                             | ½" OD Poly Tube Compression     |
| Mounting Base .....                                     | 4" - 8 UN                       |
| Height From Top Of Tank .....                           | 274 mm (10.75")                 |
| Shipping Weight .....                                   | 4.1 kg (9 lbs.)                 |

## ELECTRICAL SPECIFICATIONS

### POWER SUPPLY

|                        | <u>U.S.</u>            | <u>International</u> |
|------------------------|------------------------|----------------------|
| Supply Voltage .....   | 100VAC to 120VAC ..... | 200VAC to 240VAC     |
| Supply Frequency ..... | 50/60 Hz .....         | 50/60 Hz             |
| Output Voltage .....   | 15VDC .....            | 15VDC                |
| Output Current .....   | 500 mA .....           | 500 mA               |

## TANK APPLICATIONS

|                        |                    |
|------------------------|--------------------|
| Water Softener .....   | 12" - 24" Diameter |
| Water Filter (2) ..... | 12" - 24" 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) .....  | 0.05 - 90.00 Kg / .1 - 99 minutes |
| Refill (filter) .....    | 0.2 - 76.00 Liters                |

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 m<sup>2</sup> of bed area/10 gpm of backwash per square foot of bed area