

# Clack®



# WS1.25CI

## **WATER SPECIALIST CONTROL VALVE**



shown with optional bypass



Certified to NSF/ANSI 44, NSF/ANSI/CAN 61 and 372.

- 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 regeneration
- Stores system configuration and operation data in nonvolatile memory
- Coin Cell Lithium battery back-up with a 24 hour carry over
- Level VI 15-volt output DC power supply provides safe and easy installation
- Patented one piece expanding seal spacer stack assembly
- Patented linearly reciprocating piston operation
- 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
- Reliable and proven DC drive

# Water Specialist 1.25" CI Control Specifications

|                            |                            |
|----------------------------|----------------------------|
| Inlet/Outlet Fittings..... | ¾" to 1.5" NPS             |
| Cycles .....               | up to 9                    |
| Valve Material .....       | Fiber Reinforced Composite |
| Regeneration .....         | Downflow                   |

## FLOW RATES

|                                                                                 |                                 |
|---------------------------------------------------------------------------------|---------------------------------|
| Service @ 15 psi/1 bar drop (includes meter, bypass, and 1.25" fitting kit) ... | 129 lpm (7.7 m³/h) (34 gpm)     |
| Backwash @ 25 psi/1.7 bar drop.....                                             | 121 lpm (7.3 m³/h) (32 gpm) (1) |

## 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 - 129 lpm   |
| Volume Range .....   | 0.02 - 5,700 m³  |
| Totalizer .....      | 1 m³ - 99,999 m³ |

## DIMENSIONS & WEIGHT

|                              |                                    |
|------------------------------|------------------------------------|
| Distributor Pilot .....      | 1.32" OD Pipe (1" NPS) or 32 mm OD |
| Drain Line .....             | ¾" or 1" NPT                       |
| Brine Line .....             | ¾" or ½" OD Poly Tube              |
| Mounting Base.....           | 2½" - 8 NPSM                       |
| Height From Top Of Tank..... | 7⅝" (187 mm)                       |
| Weight .....                 | 4.5 lbs (2 kg)                     |

## 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 .....   | 6" - 21" Diameter |
| Water Filter (2) ..... | 6" - 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    |
| Refill (filter) .....   | 0.2 - 76.00 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. Acquired by use of external drain line flow control
2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area/407 lpm per square meter of bed area