



# Clack®

# WSTE

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
- Service flow rate of 27 gpm, backwash 27 gpm
- Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer)
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
- Fully adjustable cycle times with 6-cycle control delivers controlled backwash, downflow brining/slow rinse, second backwash, fast rinse, refill and downflow service
- Coin Cell Lithium battery back-up with a 8 hour carry over
- Backwash and brining ability to 21" diameter tanks
- Downflow or upflow brining regeneration
- Level VI 15-volt output DC power supply provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Post treated water regenerant refill
- Reliable and proven DC drive
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation

# Water Specialist 1" EE Control Specifications



Inlet/Outlet Fittings .....¾" to 1.5" NPS  
 Cycles .....up to 6  
 Valve Material .....Fiber Reinforced Composite  
 Regeneration .....Downflow  
 FLOW RATES

Service @15 psi drop (includes bypass and meter) .....27 gpm  
 Backwash @ 25 psi drop (includes bypass) .....27 gpm  
 Cv Service .....7.0 Cv  
 Backwash .....5.4

## OPERATING PRESSURES

Minimum/Maximum .....20 psi – 125 psi

## OPERATING TEMPERATURES

Minimum/Maximum .....40° – 110° F

## METER

Accuracy .....± 5%  
 Flow Rate Range .....0.25 – 27 gpm  
 Gallon Range .....20 – 1,500,000 gallons  
 Totalizer .....1000 - 9,999,000 gallons

## DIMENSIONS & WEIGHT

Distributor Pilot .....1.050" OD Pipe (¾" NPS)  
 Drain Line .....¾" or 1" Male NPT  
 Brine Line .....3/8" or ½" OD Poly Tube Compression  
 Mounting Base .....2 ½" - 8 NPSM  
 Height From Top Of Tank .....7 3/8"  
 Weight .....4.5 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 .....6" – 21" diameter  
 Water Filter (1) .....6" – 21" diameter

## CYCLES OF OPERATION (Softener Downflow)

|                                                            | <u>Softener</u>          | <u>Filter</u> |
|------------------------------------------------------------|--------------------------|---------------|
| Cycle                                                      | Range of time in minutes |               |
| 1. Backwash 1st (upflow) .....                             | 1-95                     | Backwash 1-95 |
| 2. Regenerate Draw/Slow Rinse (downflow) .....             | 1-180                    |               |
| 3. Backwash 2nd (upflow).....                              | 1-95                     |               |
| 4. Fast Rinse (downflow) .....                             | 1-95                     | Rinse 1-95    |
| 5. Regenerant Refill (in service with treated water) ..... | 0.1-99.0 or off          |               |
| 6. Service (downflow)                                      |                          |               |

### 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. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area