

Clack®



WS1.5EE

TWIN ALTERNATING CONTROL VALVE

WATER SPECIALIST CONTROL VALVE



Certified to NSF/ANSI/CAN 61 and 372.

Interconnect fittings and piping not supplied.

- Service flow 54 gpm, backwash flow 22 gpm with built in meter on side port of valve body and fitting kit installed
- Solid state microprocessor with easy access front panel settings
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Fully programmable regeneration cycle times
- Programmable regeneration cycle times
- Days override feature; 1 - 28 days available
- Backwash and brining ability for Softeners to 24" diameter tanks, backwash filters to 18"
- Downflow/upflow regeneration
- Stores system configuration and operation data in nonvolatile memory
- Coin Cell Lithium battery back-up with an 8 hour carry over
- Level VI 15-volt output DC power supply provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Soft/treated water regeneration
- Pre or post soft/treated water regenerant refill
- 12-hour clock
- Reliable and proven DC drives
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation

Water Specialist 1.5" EE Twin Alternating Specifications

Inlet/Outlet Fittings..... 1.5" QC fittings optional straight or 90°
Cycles 6
Valve Material Glass Filled Composite
Regeneration Downflow/Upflow

FLOW RATES

Service @ 15 psi drop (includes fitting kit and meter)..... 54 gpm
Backwash @ 25 psi drop (includes fitting kit)..... 22 gpm
Cv Service 13.9
Cv Backwash 4.4

OPERATING PRESSURES

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

OPERATING TEMPERATURES

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

METER

Accuracy ± 5%
Flow Rate Range..... 0.5 - 75 gpm
Volume Range 20 - 1,500,000 gallons
Totalizer 1 - 9,999,000 gallons

DIMENSIONS & WEIGHT

Distributor Pilot..... 1.90" OD (1.5" NPS)
Drain Line 1" Male NPT Elbow
Brine Line ½" OD Poly Tube Compression
Mounting Base..... 4" - 8 UN Thread
Height From Top of Tank 11"
Weight 18 lb.

ELECTRICAL SPECIFICATIONS

POWER SUPPLY

U.S.

Supply Voltage 100VAC to 240VAC
Supply Frequency 50/60 Hz
Output Voltage 15VDC
Output Current 500 mA

TANK APPLICATIONS

Water Softener 12" - 24" diameter
Water Filter (1) 12" - 18" diameter

CYCLES OF OPERATION (Softener / Filter)

	<u>Softener</u>	<u>Filter</u>
Cycle	Range of time in minutes	
1. Backwash 1 st	Off-120.....	Backwash Off-120
2. Regenerate Draw/Slow Rinse	Off-180	
3. Backwash 2 nd	Off-120	
4. Fast Rinse	Off-120.....	Rinse Off-120
5. Regenerant Refill	0.1-99.0 or Off	
6. Service (downflow)		

Options: Backwash Filter, Weather Cover

Compatible with the following typical concentration of regenerants or chemicals: Sodium chloride, potassium chloride, chlorine and chloramines

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