

# Clack®



## WS1.5CI

## TWIN ALTERNATING CONTROL VALVE

### WATER SPECIALIST CONTROL VALVE



Certified to NSF/ANSI/CAN 61 and 372.

Interconnect piping not supplied.

- Service flow 204 lpm, (12.3m<sup>3</sup>/h), (54 gpm), backwash flow 83 lpm, (4.9 m<sup>3</sup>/h), (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
- 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 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 24 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
- 24-hour clock
- Reliable and proven DC drives
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation

# Water Specialist 1.5" CI Twin Alternating Specifications

Inlet/Outlet Fittings.....	1.5" NPT and BSPT
Cycles .....	up to 9
Valve Material .....	Fiber Reinforced Composite
Regeneration .....	Downflow/Upflow

## FLOW RATES

Service @ 15 psi/1bar drop (includes adapters and meter).....	204 lpm, 12.3 m <sup>3</sup> /h, 54 gpm
Backwash @ 25 psi/1.7 bar drop (includes bypass) .....	83 lpm, 4.9 m <sup>3</sup> /h, 22 gpm
Cv Service .....	13.9
Cv Backwash .....	4.4

## OPERATING PRESSURES

Minimum/Maximum .....	20 psi - 125 psi (1.4 - 8.6 bar)
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## OPERATING TEMPERATURES

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

Accuracy .....	± 5%
Flow Rate Range.....	0.95 - 216 lpm
Volume Range .....	0.02 - 5,700 m <sup>3</sup>
Totalizer .....	1 m <sup>3</sup> - 99,999 m <sup>3</sup>

## DIMENSIONS & WEIGHT

Distributor Pilot.....	50mm or 1.90" OD (1.5" NPS)
Drain Line .....	1" Male Elbow BSPT or NPT
Brine Line .....	½" OD Poly Tube Compression
Mounting Base.....	4" - 8 UN Thread
Height From Top of Tank .....	11" (279.4mm)
Weight .....	8.16 kg

## ELECTRICAL SPECIFICATIONS

## POWER SUPPLY

	<u>U.S.</u>	<u>International</u>
Supply Voltage .....	100VAC to 240VAC .....	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 (1) .....	12" - 18" 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
Brine (counter-current) .....	1 - 180 minutes
Refill (softener) .....	0.05 - 90 kg
Refill .....	0.2 - 76 Liters

*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