Clack®

WS1.5CI

TWIN ALTERNATING CONTROL VALVE

WATER SPECIALIST CONTROL VALVE

INDEPENDENTLY NSF CERTIFIED

Certified to NSF/ANSI/CAN 61 and 372.

Interconnect fittings and piping not supplied.

- Service flow 204 lpm, (12.3m^3/h), (54 gpm), backwash flow 83 lpm, (4.9 m^3/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" QC fitting optional straight or 90°
Cycles	up to 9
Valve Material	Glass Filled Composite
Regeneration	Downflow/Upflow

FLOW RATES

Service @ 15 psi/1bar drop (includes adapters and meter)	204 lpm, 12.3 m^3/h, 54 gpm
Backwash @ 25 psi//1.7 bar drop (includes bypass)	83 lpm, 4.9 m^3/h, 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	40º - 110º F (4 - 43º C)

METER

Accuracy	± 5%
Flow Rate Range	0.95 - 216 lpm
Volume Range	0.02 - 5,700 m^3
Totalizer	1 m^3 - 99,999 m^3

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.S.	International
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