

Clack®

WS1.5PBCI

**WATER
SPECIALIST
CONTROL
VALVE**



PENDING

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

shown with optional 1.5" bypass

- 1.5" top mount control valve suited for mid-size commercial/industrial applications
- Glass filled composite
- Economical glass filled composite optional meter assembly
- Service flow rate of 182 lpm (10.9 m³/h) (48 gpm), backwash 163 lpm (9.8 m³/h) (43 gpm)
- Upflow/downflow brining field convertible
- Solid state microprocessor with easy access front panel settings
- Front panel display for time of day, days until next regeneration, volume remaining and current flow rate
- Four methods to initiate a 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
- Level VI 15-volt output DC power supply provides safe and easy installation
- Pre or Post treated water regenerant refill
- Low salt alarm
- Coin cell lithium battery backup for time of day up to 24 hours
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation
- Reliable and proven DC drive

Water Specialist 1.5PBCI Glass Filled Composite Control Specifications

Inlet/Outlet (1)	1.5" Male BSPT or NPT
Cycles	Up to 9
Valve Material	Glass filled composite
Regeneration	Downflow/Upflow

CONTROL VALVE FLOW RATES

Service @ 1 bar/15 psi drop (includes meter)	182 lpm (10.9 m ³ /h) (48 gpm)
Backwash @ 1.7 bar/25 psi drop	163 lpm (9.8 m ³ /h) (43 gpm)

OPERATING PRESSURES

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

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

Distributor Pilot	
Valve bodies with 1.5" Female BSPT Inlet & Outlet	50 mm OD
Valve bodies with 1.5" Female NPT Inlet & Outlet	1.90" OD (1.5" NPS)
Drain Line Connection	1" Male Elbow BSPT or NPT Elbow
Brine Line Connection	½" OD Poly Tube Compression
Mounting Base	4" - 8 UN
Height From Top Of Tank	274 mm (10.75")
Shipping Weight	4.1 kg (9 lb)

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	12" - 24" Diameter
Water Filter (2)	12" - 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 / .1 - 99 minutes
Refill (filter)	0.2 - 76.00 Liters

Options: Backwash Filter, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines

1. See Distributor Pilot.

2. Filter tank size calculated @ 407 lpm per m² of bed area/10 gpm of backwash per square foot of bed area