Clack®

WS1.5PBCI

WATER SPECIALIST CONTROL VALVE

INDEPENDENTLY NSF CERTIFIED® 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 m^3/h) (48 gpm), backwash 163 lpm (9.8 m^3/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)

OPERATING TEMPERATURES

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

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.S.	International
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 m^2 of bed area/10 gpm of backwash per square foot of bed area