

Clack®

WS2PCI

WATER SPECIALIST CONTROL VALVE



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

- 2" top mount control valve suited for commercial/industrial applications
- Glass filled composite valve body
- Economical glass filled composite optional meter assembly
- Service flow rate of 359 lpm (21.6 m³/h) (95 gpm), backwash 332 lpm (19.3 m³/h) (85 gpm)
- Solid state microprocessor with easy access front panel settings
- Front panel display for time of day, days until next regeneration, volume remaining, current flow rate
- 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
- 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
- Post treated water regenerant refill
- 24 Hour Clock
- Reliable and proven DC drive
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation



Optional 2" Plastic Meter

Water Specialist 2" Plastic CI Control Specifications

Inlet/Outlet (1)	2" QC fitting optional straight or 90°
Cycles	Up to 9
Valve material	Glass filled composite
Regeneration	Downflow or Upflow
	(must be ordered, cannot be converted in field)

CONTROL VALVE FLOW RATES

Service @ 1 bar/15 psi drop (includes meter)	359 lpm (21.6 m ³ /h) (95 gpm)
Backwash @ 1.7/25 psi bar drop.....	322 lpm (19.3 m ³ /h) (85 gpm)
Cv Service	24.5
Cv Backwash	17.0

OPERATING PRESSURES

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

OPERATING TEMPERATURES

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

OPTIONAL METER SPECIFICATIONS

Accuracy	± 5%
Flow rate range	5.7 - 568 lpm (1.5 - 150 gpm)
Volume Range	0.02 - 5,700 m ³
Totalizer	1 - 99,999 m ³ (264 - 26,417,000 gallons)

DIMENSIONS & WEIGHT

Distributor pilot	
Valve bodies with 2" Female BSPT Inlet & Outlet.....	50mm OD
Valve bodies with 2" Female NPT Inlet & Outlet	1.90" OD (1.5" NPS)
Drain line connection.....	2" Male BSPT 90° QC elbow
Brine line adapters included	1" Male NPT elbow, ¾" x 1" solvent weld elbow, and ½" OD Poly Tube Compression
Mounting base	4" - 8 UN
Height from top of tank.....	317.5 mm (12.5")
Shipping weight	4.98 Kg (11 lb)

ELECTRICAL SPECIFICATIONS

POWER SUPPLY

	<u>U.S.</u>	<u>International</u>
Supply voltage	100VAC to 240VAC ...	100VAC 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" - 36" diameter
Water filter (2).....	12" - 36" 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)	0.1 - 99.0 minutes
Refill (filter)	0.1 - 99.0 minutes

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 @ 322 lpm/12 gpm of backwash per square foot of bed area