

Clack®



WSPI/PJ

WATER SPECIALIST CONTROL VALVE



Certified to NSF/ANSI 44, NSF/ANSI/CAN 61 and 372.

Unique Features of the PI Control Valve:

- LCD Display with back light and energy saver feature
- Level VI 15-volt output DC power supply provides safe and easy installation

Unique Features of the PJ Control Valve:

- Low Energy LCD Display with a Sleep Feature
- Operates on 4 C Cell Alkaline Batteries, Life Expectancy 18 to 24 Months Depending on Regeneration Frequency of the Systems

Universal Features of the PI and PJ Control Valve:

- Ceramic on ceramic disc proven valve technology
- Lithium coin cell battery for keeping time when power is out
- Upgraded to accommodate Molex connections
- Solid state microprocessor with easy access front panel settings
- Three modes of operation: meter delay, meter immediate or time clock delay, with variable reserve available if desired
- Fixed 6 cycle control valve
- Fully adjustable cycles times
- Double backwash feature offers optimum regeneration, cleaning ability, and efficiency
- Post, pre or proportional regenerant refill available
- Days override feature: 1-28 days available or off
- Field convertible downflow/upflow regeneration
- Stores system programming and operation data in nonvolatile memory
- Treated water regenerant refill
- Optional integrated mixing valve available

Water Specialist PI/PJ Control Specifications

Inlet/Outlet Fittings..... ¾" to 1.5" NPS
Cycles up to 6
Valve Material Fiber Reinforced Composite
Regeneration Downflow/Upflow

FLOW RATES

Service @15 psi/1 bar drop (includes bypass and meter)..... 41.6 lpm (2.5 m³/h) (11 gpm)
Backwash @ 25 psi/1.7 bar drop (includes bypass)..... 53 lpm (3.2 m³/h) (14 gpm)

OPERATING PRESSURES

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

OPERATING TEMPERATURES

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

METER

Accuracy ± 5%
Flow Rate Range..... 0.95 - 41.6 lpm
Volume Range 0.02 - 5,700 m³

DIMENSIONS & WEIGHT

Distributor Pilot..... 1.050" OD Pipe (¾" NPS)
Drain Line ¾" or 1" NPT
Brine Line ¾" OD Poly Tube
Mounting Base..... 2 ½" - 8 NPSM
Height From Top Of Tank..... 129.79 mm (5.11")
Weight 1.59 kg (3.5 lbs.)

ELECTRICAL SPECIFICATIONS PI CONTROL

POWER SUPPLY

	<u>International</u>	<u>U.S.</u>
Supply Voltage	200VAC to 240VAC	100VAC to 120VAC
Supply Frequency	50/60 Hz	50/60 Hz
Output Voltage	15VDC	15VDC
Output Current	500 mA	500 mA

BATTERY SPECIFICATIONS PJ CONTROL

POWER SOURCE

	<u>International</u>
Power Supply.....	4 Alkaline C Cell Batteries

TANK APPLICATIONS

Water Softener 6" – 21" diameter
Water Filter (1) 6" – 16" diameter

CYCLES OF OPERATION (Softener Downflow)

	<u>Softener</u>	<u>Filter</u>
Cycle	Range of times minutes	
1. Backwash 1 st (upflow)	1-95	Backwash 1-95
2. Regenerate Draw/Slow Rinse (downflow or upflow).....	1 - 180	
3. Backwash 2 nd (upflow)	1-95	Rinse 1-95
4. Fast Rinse (downflow)	1-95	
5. Regenerant Refill (in service with treated water).....	0.1-99.0	
6. Service (downflow)		

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

1. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area