

# 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

International U.S.

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

International

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)

Softener

Filter

Cycle  
Range of times minutes  
1. Backwash 1<sup>st</sup> (upflow) ..... 1-95 ..... Backwash 1-95  
2. Regenerate Draw/Slow Rinse (downflow or upflow)..... 1 - 180  
3. Backwash 2<sup>nd</sup> (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