

Clack®



WS2PEE

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 95 gpm, backwash 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 and total volume used (Totalizer)
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
- Fully adjustable cycle times with 6-cycle control delivers controlled backwash, downflow brining or upflow brining, slow rinse, second backwash, fast rinse, refill and downflow service
- 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
- Reliable and proven DC drive
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation



Optional 2" Plastic Meter

Water Specialist 2" Plastic EE Control Specifications

Inlet/Outlet (1)	2" QC fitting optional straight or 90°
Cycles	Up to 6
Valve material	Glass filled composite
Regeneration	Downflow or Upflow
(must be ordered, cannot be converted in field)	

CONTROL VALVE FLOW RATES

Service @15 psi drop (includes meter).....	95 gpm
Backwash @ 25 psi drop	85 gpm
Cv Service	24.5
Cv Backwash	17.0

OPERATING PRESSURES

Minimum/Maximum	20 psi - 125 psi
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OPERATING TEMPERATURES

Minimum/Maximum	40° - 110°F
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OPTIONAL METER SPECIFICATIONS

Accuracy	± 5%
Flow rate range	1.5 - 150 gpm
Gallon range	20 - 1,500,000 gallons
Totalizer	1 - 9,999,000 gallons

DIMENSIONS & WEIGHT

Distributor pilot	
Valve bodies with 2" Female NPT Inlet & Outlet	1.90" OD (1.5" NPS)
Drain line connection	2" QC x 1.5" Male NPT 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.....	12.5"
Shipping weight	11 lb

ELECTRICAL SPECIFICATIONS

POWER SUPPLY

	U.S.	International
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" - 48" diameter
Water filter (2)	12" - 36" diameter

CYCLES OF OPERATION

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

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 @ 85 gpm/12 gpm of backwash per square foot of bed area