Clack® pHorko® industrial water purification systems

WS1.25

WATER SPECIALIST CONTROL VALVE



shown with optional bypass

NSF

Certified to NSF/ANSI 44, 61 and 372.

- Solid state microprocessor with easy access front panel settings
- Three modes of operation; meter immediate, meter delayed, or time clock delayed
- Double backwash feature offers optimum regeneration, cleaning ability, and efficiency
- Capable of 36 pre-programmed regeneration cycles based on control valve setting
- Days override feature; 1 – 28 days available
- Backwash and brining ability to 21” diameter tanks
- Downflow regeneration
- Stores system configuration and operation data in nonvolatile memory
- 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
- Patented one piece expanding seal spacer stack assembly U.S. Patent 6,402,944
- Patented linearly reciprocating piston operation U.S. Patent 6,444,127
- Control valve design provides optimum service and backwash rates
- Pre or Post treated water regenerant refill
- Reliable and proven DC drive

Water Specialist 1.25” Control Specifications

Inlet/Outlet Fittings	¾" to 1.5” NPS
Cycles	up to 6
Valve Material	Noryl (1) or equivalent
Regeneration	downflow

FLOW RATES

Service @15 psi drop (includes meter)	34 gpm
Backwash @ 25 psi drop	32 gpm (2)
Cv Service	8.8
Cv Backwash	6.4

OPERATING PRESSURES

Minimum/Maximum	20 psi – 125 psi

OPERATING TEMPERATURES

Minimum/Maximum	40° – 110° F

METER

Accuracy	± 5%
Flow Rate Range	0.25 – 34 gpm
Gallon Range	20 – 50,000 gallons
Totalizer	1000 - 9,999,000 gallons

DIMENSIONS & WEIGHT

Distributor Pilot	1.32" OD Pipe (1" NPS) or 32mm OD
Drain Line	¾” or 1” NPT
Brine Line	3/8” or ½” OD Poly Tube
Mounting Base	2 ½” - 8 NPSM
Height From Top Of Tank	7 3/8”
Weight	4.5 lbs.

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	6” – 21” diameter
Water Filter (3)	6” – 24” diameter

CYCLES OF OPERATION

Cycle	Range of times minutes
1. Backwash 1st (upflow)	6 - 12
2. Regenerate Draw/Slow Rinse (downflow)	45 - 75
3. Backwash 2nd (upflow)	3 - 12
4. Fast Rinse (downflow)	3 - 8
5. Regenerant Refill (in service with treated water)	As Programmed
6. Service (downflow)	

Options: Backwash Filter, Bypass, Weather Cover

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

1. Noryl is a trademark of Sabic Innovative Plastics IP B.V. Company
2. Aquired by use of external drain line flow control
3. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area