

Water Specialist 1" Control Specifications WS1EE

McKay's
ESTD CO. 1927

Celebrating 97 years!

OVERVIEW

- Solid state microprocessor with easy access front panel settings
- Service flow rate of 27 gpm, backwash 27 gpm
- Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer)
- Four methods of initiate regeneration
 - Meter immediate
 - Meter delayed
 - Time clock delayed
 - Pressure differentials
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
- Fully adjustable cycle times with 6-cycle control delivers controlled backwash, downflow brining/ slow rinse, second backwash, fast rinse, refill, and downflow service
- Coin Cell Lithium battery back-up with a 8-hour carry over
- Backwash and brining ability to 21" diameter tanks
- Downflow or upflow brining regeneration
- Level VI 15-volt output DC power supply provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Post treated water regenerant refill
- Reliable and proven DC drive
- One piece expanding seal stack assembly
- Linearly reciprocating piston operation
- Certified to NSF/ANSI 44, NSF/ANSI/CAN 61 and 372



Head Manufactured by Clack

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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 drop (includes meter and bypass).....	27 gpm
Backwash @ 25 psi drop (includes bypass)	27 gpm
Cv Service	7.0
Cv Backwash	5.4

OPERATING PRESSURES

Minimum/Maximum	20 psi – 125 psi
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OPERATING TEMPERATURES

Minimum/Maximum	40° – 110° F
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METER

Accuracy	± 5%
Flow Rate Range	0.25 – 27 gpm
Gallon Range	20 – 1,500,000 gallons
Totalizer	1000 – 9,999,000 gallons

DIMENSIONS & WEIGHT

Distributor Pilot	1.050" OD Pipe (¾" NPS)
Drain Line	¾" or 1" Male NPT
Brine Line	3/8" or ½" OD Poly Tube Compression
Mounting Base	2 ½" – 8 NPSM
Height From Top Of Tank	7 3/8"
Weight	4.5 lbs.

ELECTRICAL SPECIFICATIONS

POWER SUPPLY

	<u>U.S.</u>	<u>International</u>
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 (2)	6" – 24" diameter

CYCLES OF OPERATION (Softener Downflow)

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

Options: Backwash Filter, Bypass, Weather Cover

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

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