

Water Specialist 1" Twin Alternating Control Specifications WS1EE

McKay's
ESTD CO. 1927

Celebrating 97 years!

OVERVIEW

- Service flow 28 gpm, backwash flow 15 gpm with meter and bypass installed
- 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), and Tank in Service Indication
- Four methods to initiate regeneration;
 - Meter immediate
 - Meter delayed
 - Time clock delayed
 - Pressure differential
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
- 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
- Treated/Soft water post fill and regeneration cycles
- Reliable and proven DC drives
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation
- Certified to NSF/ANSI 44, NSF/ANSI/CAN 61 and 372.



Head Manufactured by Clack

Water Specialist 1" Twin Alternating Specifications

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

FLOW RATES

Service @15 psi drop (includes bypass and meter)	28 gpm
Backwash @ 25 psi drop (includes bypass)	15 gpm
Cv Service	7.28
Cv Backwash	2.96

OPERATING PRESSURES

Minimum/Maximum	20 psi – 125 psi
-----------------------	------------------

OPERATING TEMPERATURES

Minimum/Maximum	40° – 110° F
-----------------------	--------------

METER

Accuracy	± 5%
Flow Rate Range	0.25 – 30 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	16 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 (1)	6" – 16" diameter

CYCLES OF OPERATION (Softener Downflow)

Cycle Range of times minutes	<u>Softener</u>	<u>Filter</u>
1. Backwash 1st	1-120	Backwash 1-120
2. Regenerate Draw/Slow Rinse	1-180	
3. Backwash 2nd	1-120	
4. Fast Rinse	1-120	Rinse 1-120
5. Regenerant Refill	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

Updated • 04/23/2024