

# Water Specialist 2" Control Specifications WS2EE

*McKay's*  
ESTD CO. 1927

Celebrating 97 years!

## OVERVIEW

- Solid state microprocessor with easy access front panel settings
- Front panel display for time of day, 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
  - pressure differential
- 2" top mount control valve suited for commercial/ industrial applications
- Epoxy coated lead free brass valve body\*
- Economical stainless steel optional meter assembly
- Service flow rate of 115 gpm, backwash 8- gpm
- Optional double backwash feature offers 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
- Certified to NSF/ANSI/CAN 61 and NSF/ANSI/Can 372



Head Manufactured by Clack



Optional 2" Meter

# Water Specialist 2" Control Specifications

Inlet/Outlet (1) .....	2" Female NPT
Cycles .....	up to 6
Valve Material .....	Lead free brass
Regeneration .....	Downflow

## FLOW RATES

Service @15 psi drop (includes meter) .....	115 gpm
Backwash @ 25 psi drop (includes bypass) .....	80 gpm
Cv Service .....	29.7
Cv Backwash .....	16.0

## 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 .....	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 (drain line adapters not included).....	1.5" Female NPT
Brine Line Adapters Included.....	1" male NPT elbow
	3/4" x 1" solvent weld elbow and
	1/2" OD Poly Tube Compression
Mounting Base .....	4" - 8 UN
Height From Top of Tank .....	8.5"
Shipping Weight with meter .....	29 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 .....	12" - 48" diameter
Water Filter (1) .....	12" - 48" 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. See Distributor Pilot
2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area

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