

# Water Specialist 1" Control Specifications WS1FB

*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



# Water Specialist 1" Control 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) .....	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 (1) .....	6" - 21" diameter

## CYCLES OF OPERATION (Softener Downflow)

	<u>Softener</u>	<u>Filter</u>
Cycle Range of times minutes		
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

Updated • 03/04/2024