

- Solar panel or DC power supply recharges 6 "AA" re-chargable Nickel Metal Hydride Batteries
- Can be programmed for automatic variable reserve, based on water usage history for high efficiency
- Solid state microprocessor with easy access front panel settings
- Service flow rate of 102 lpm (6.12 m³/h) (27 gpm), backwash 102 lpm (6.12 m³/h) (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 to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- 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 of time of day
- Backwash and brining ability to 21" diameter tanks
- Downflow regeneration/Upflow regeneration
- Control valve design provides optimum service and backwash rates
- Post treated water regenerant refill
- Reliable and proven DC drive
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation
- Mixing valve option available

## **Water Specialist 1" SQ Control Specifications**

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Inlet/Outlet Fittings	34" to 1.5" NPS
Cycles	
Valve Material	
Regeneration	
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FLOW RATES	
Service @15 psi drop (includes bypass and meter)	
Backwash @ 25 psi drop (includes bypass)	102 lpm (6.12 m³/h) (27 gpm)
Cv Service	
Cv Backwash	5.4
OPERATING PRESSURES	
Minimum/Maximum	20 nsi – 125 nsi (1 4 - 8 6 har)
William Waxii Waxi	20 poi 120 poi (1.4 0.0 bai)
OPERATING TEMPERATURES	
Minimum/Maximum	40° – 110° F (4° - 43°C)
METER	
Accuracy	
Flow Rate Range	
Volume Range	
Totalizer	0.001 - 9,999,000 m <sup>3</sup>
VALVE DIMENSIONS & WEIGHT	
Distributor Pilot	1 050" OD Pine (3/4" NPS)
Drain Line	
Brine Line	
Mounting Base	•
Height From Top Of Tank	
Weight	
<del> </del>	(= 1.9)
SOLAR PANEL & BATTERY SPECIFICATIONS	
Amorphous silicon solar panel	
Modular snap together Solar Panel capable of three tilt ar	ngles
Solar panel recharges 6 replaceable AA nickel metal hydride batteries	
Batteries mounted behind circuit board	
Smart charger circuitry turns on and off to extend battery	' life
TANK APPLICATIONS	C" 01" diameter
Water Softener	
Water Filter (1)	6" – 21" diameter
CYCLES OF OPERATION (Softener Downflow)	
or or enterior (solicine) bomilion,	Softener Filter
Cycle	Range of time in minutes
1. Backwash 1st (upflow)	
Regenerate Draw/Slow Rinse (downflow or upflow)	
3. Backwash 2 <sup>nd</sup> (upflow)	
4. Fast Rinse (downflow)	
5. Regenerant Refill (in service with treated water)	
6. Service (downflow)	
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When replacing batteries follow state or local regulations for recycling and disposal.

Outdoor applications require weather cover.

Options: Backwash Filter, Bypass

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