

- 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
- 1.5" top mount control valve suited for mid-size commercial/industrial applications
- Epoxy coated lead free brass valve body
- Economical stainless steel optional meter assembly
- Service flow rate of 70 gpm, backwash 52 gpm
- 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)
- 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
- Downflow regeneration/Upflow regeneration
- Coin Cell Lithium battery back-up with 8 hour carry over of time of day
- Level VI 15-volt output DC power supply provides safe and easy installation
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation
- Post treated water regenerant refill
- Reliable and proven DC drive



## **Water Specialist 1.5" SD/SP Control Specifications**

Inlet/Outlet (1)	1.5" Female NPT
Cycles	Up to 6
Valve Material	Lead free brass
Regeneration	Downflow
CONTROL VALVE FLOW RATES	
	70 ann
Service @15 psi drop (includes meter)	
Backwash @ 25 psi drop Cv Service	•
Cv Service	
GV Backwash	10.4
OPERATING PRESSURES	
Minimum/Maximum	20 psi – 125 psi
OPERATING TEMPERATURES	
Minimum/Maximum	40° 110° E
Millimum/Maximum	40 - 110 F
METER SPECIFICATIONS	
Accuracy	± 5%
Flow Rate Range	0.5 – 75 GPM
Gallon Range	20 - 1,500,000 gallons
Totalizer	1 - 9,999,000 gallons
DIMENSIONS & WEIGHT	
Distributor Pilot	
Valve bodies with 1.5" Female NPT Inlet & Outlet	1 00" OD (1 5" NDC)
Drain Line Connection (2)	,
Adapter Included	
Brine Line Connection	
Adapter Included	
Mounting Base	
_	
Height From Top Of TankShipping Weight With Meter	
Shipping weight with Meter	21 105.
BATTERY SPECIFICATIONS - 2 OPTIONS FOR OPERATION	
6 AA nickel metal hydride batteries rechargeable for SP mo	
6 "D" cell alkaline batteries (disposable when discharged	) for SD model - "D" batteries not included
CHARGING SPECIFICATIONS FOR SP MODEL- 2 OPTIONS FOR OPERATION	
Amorphous silicon solar panels capable of three tilt angles	
DC power supply with 15VDC output 500mA	
TANK APPLICATIONS	
Water Softener	
Water Filter (3)	12" – 30" diameter
CYCLES OF OPERATION	
	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)	51. 5515
o. Octation (downthow)	

When replacing batteries follow state or local regulations for recycling and disposal. 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

<sup>2.</sup> Casting comes with a 1.25" Female NPT drain connection. An adapter is provided to accept existing WS1 drain line 3/4" Male NPT flow controls up to 10 gpm. Other drain line flow controls are available for flow rates above 10 gpm.

<sup>3.</sup> Filter tank size calculated @ 10 gpm of backwash per square foot of bed area.