

Clack®

WS1.25SQ

WATER SPECIALIST CONTROL VALVE



Battery Valve w/ Solar Panel
V125SQDME-P03



Battery Valve w/ DC Power
V125SQDME



shown with optional bypass



Certified to NSF/ANSI 44 and NSF/ANSI/CAN 61 and 372.

- Solar panel or DC power supply recharges 6 "AA" re-chargeable 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
- Economical stainless steel optional meter assembly
- Service flow rate of 129 lpm (7.72 m³/h) (34 gpm), backwash 121 lpm (7.26 m³/h) (32 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
- 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
- Patented one piece expanding seal spacer stack assembly
- Patented linearly reciprocating piston operation
- Post treated water regenerant refill
- Reliable and proven DC drive

Water Specialist 1.25" SQ 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 meter, bypass, and 1.25" fitting kit).....	129 lpm (7.74 m ³ /h) (34 gpm)
Backwash @ 25 psi drop (includes bypass)	121 lpm (7.26 m ³ /h) (32 gpm) (1)
Cv Service	8.8
Cv Backwash	6.4

OPERATING PRESSURES

Minimum/Maximum	20 psi – 125 psi (1.4 - 8.6 bar)
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OPERATING TEMPERATURES

Minimum/Maximum	40° – 110° F (4° - 43°C)
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METER

Accuracy	± 5%
Flow Rate Range.....	0.95 - 102 lpm
Volume Range	0.02 - 5,700 m ³
Totalizer	0.001 - 9,999,000 m ³

DIMENSIONS & WEIGHT

Distributor Pilot.....	1.32" OD Pipe (1" NPS) or 32mm OD
Drain Line	¾" or 1" Male NPT
Brine Line	¾" or ½" OD Poly Tube Compression
Mounting Base.....	2½" - 8 NPSM
Height From Top Of Tank.....	7 ⅜" (187 mm)
Weight	4.5 lbs. (2 kg)

SOLAR PANEL & BATTERY SPECIFICATIONS

- Amorphous silicon solar panel
- Modular snap together Solar Panel capable of three tilt angles
- 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

Water Softener	6" – 21" diameter
Water Filter (2).....	6" – 24" diameter

CYCLES OF OPERATION

Cycle	Softener	Filter
	Range of time in minutes	
1. Backwash 1 st (upflow)	1-95.....	Backwash 1-95
2. Regenerate Draw/Slow Rinse (downflow)	1-180	
3. Backwash 2 nd (upflow).....	1-95.....	Rinse 1-95
4. Fast Rinse (downflow)	1-95	
5. Regenerant Refill (in service with treated water).....	0.1-99.0	
6. Service (downflow)		

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines

- Acquired by use of external drain line flow control
- Filter tank size calculated @ 10 gpm of backwash per square foot of bed area