

- 1.5" top mount control valve suited for mid-size commercial/industrial applications
- 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
- Coin Cell Lithium battery back-up with a 8 hour carry over
- 12-volt output AC Adapter provides safe and easy installation
- Post treated water regenerant refill
- Patented one piece expanding seal spacer stack assembly U.S. Patent 6,402,944
- Patented linearly reciprocating piston operation U.S. Patent 6,444,127
- Patented quiet drain line flow control assembly U.S. Patent 6,776,901
- Reliable and proven DC drive



Water Specialist 1.5" EE Control Specifications

Inlet/Outlet (1)	
Cycles	•
Valve Material	
Regeneration	Downflow
CONTROL VALVE FLOW RATES	
Service @15 psi drop (includes meter)	70 gpm
Backwash @ 25 psi drop	
Cv Service	• .
Cv Backwash	10.4
OPERATING PRESSURES	
Minimum/Maximum	20 psi – 125 psi
OPERATING TEMPERATURES	
Minimum/Maximum	∕00° _ 110° F
Willing Wild All Hall	40 – 110 1
METER SPECIFICATIONS	
Accuracy	
Flow Rate Range	
Gallon Range	
Totalizer	1 – 9,999,000 gallons
DIMENSIONS & WEIGHT	
Distributor Pilot	
Valve bodies with 1.5" Female NPT Inlet & Outlet	1.90" OD (1.5" NPS)
Drain Line Connection (2)	
Adapter Included	
Brine Line Connection	
Adapter Included	½" OD Poly Tube Compression
Mounting Base	4" - 8 UN
Height From Top Of Tank	7.5"
Shipping Weight With Meter	21 lbs.
ELECTRICAL SPECIFICATIONS	AC Adapter
	U.S. International
Supply Voltage	
Supply Frequency	
Output Voltage	
Output Current	
TANK APPLICATIONS	
Water Softener	10" 20" diameter (4)
Water Softener Water Filter (3)	()
water riller (3)	12 - 30 diameter
CYCLES OF OPERATION	
	<u>Softener</u> <u>Filter</u>
Cycle	Range of time in minutes
1. Backwash 1 st (upflow)	
2. Regenerate Draw/Slow Rinse (downflow)	
3. Backwash 2 nd (upflow)	
4. Fast Rinse (downflow)	
5. Regenerant Refill (in service with treated water)	0.1-99.0 or off
6. Service (downflow)	

Options: Backwash Filter, Weather Cover

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

^{1.} See Distributor Pilot.

^{2.} 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.

^{3.} Filter tank size calculated @ 10 gpm of backwash per square foot of bed area

^{4.} Requires a V3158-02 installed for a brine elbow on the control valve, use of a 454 controlled flow brine valve assembly H7070-36CF-5 or H7070-54CF-5 (designed with 5gpm BLFC), 1" air check, or 494 brine valve assembly, and minimum ¾" hard pipe PVC brine line.