

WS1.5
EI

WATER SPECIALIST **1.5" EI CONTROL VALVE**



Optional 1.5" Meter

- **1.5" top mount control valve suited for mid-size commercial/industrial applications**
- **Lead free brass valve body**
- **Economical optional meter**
- **Service flow rate of 227 lpm, backwash 189 lpm**
- **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 6-cycle control delivers controlled backwash, downflow brining/slow rinse, second backwash, fast rinse, refill and downflow service**
- **12-volt output AC Adapter provides safe and easy installation**
- **Treated water regenerant refill**
- **24 hour clock**
- **Reliable and proven DC drive**

Water Specialist 1.5" EI Control Specifications

Inlet/Outlet (1)	1.5" FPT
Cycles	up to 6
Valve Material	Lead free brass
Regeneration	downflow
FLOW RATES	
Service @15 psi/1 bar drop (includes meter)	60 gpm (227 lpm)
Backwash @ 25 psi/1.7 bar drop	50 gpm (189 lpm)
OPERATING PRESSURES	
Minimum/Maximum	20 - 125 psi (1.4 - 8.6 bar)
OPERATING TEMPERATURES	
Minimum/Maximum	40° - 110° F (4° - 43° C)
METER	
Accuracy	± 5%
Flow Rate Range	0.5 - 60 GPM (2 - 227 lpm)
Volume Range	1.000 to 500.0 m ³
Totalizer	0.001 - 9,999,000 m ³
DIMENSIONS & WEIGHT	
Distributor Pilot	
Valve bodies with female 1.5" NPT Inlet & Outlet	1.90" OD (1.5" NPS)
Valve bodies with female 1.5" BSPT Inlet & Outlet	50 mm OD
Drain Line (2)	1.25" FPT
Brine Line	¾" FPT
Adapters Available	½" OD Poly Tube
Mounting Base	4" - 8 UN
Height From Top Of Tank	7.5" (191 mm)
Shipping Weight With Meter	21 lbs. (9.5 kg)
ELECTRICAL SPECIFICATIONS	
	AC Adapter
	<u>U.S.</u> <u>International</u>
Supply Voltage	120V AC 230V AC
Supply Frequency	60 Hz 50 Hz
Output Voltage	12V AC 12V AC
Output Current	500 mA 500 mA
TANK APPLICATIONS	
Water Softener	12" - 24" Diameter
Water Filter (3)	12" - 30" Diameter
CYCLES OF OPERATION	
Cycle	Range of times minutes
1. Backwash 1 st (upflow)	1 - 20 or off
2. Regenerate Draw/Slow Rinse (downflow)	1 - 99 or off
3. Backwash 2 nd (upflow)	1 - 20 or off
4. Fast Rinse (downflow)	1 - 20 or off
5. Regenerant Refill (in service with treated water)	0.1 - 99.9 or off
6. Service (downflow)	

Options: Backwash Filter, Weather Cover

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

1. See Distributor Pilot.

2. Casting comes with a 1.25" FPT drain connection. An adapter is provided to accept existing WS1 drain line flow controls up to 25 gpm.

3. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area/407 lpm per m² of bed area