



for Water Treatment

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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 m³
 Totalizer 0.001 - 9,999,000 m³

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