Kontec®
for Water Treatment

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WS1.25 EI

WATER SPECIALIST 1.25" EI CONTROL VALVE

shown with optional bypass

- 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
- Backwash and brining ability to 22" diameter tanks
- Downflow regeneration
- 12-volt output AC Adapter provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Treated water regenerant refill
- 24 Hour Clock
- Mixing Valve option available
- Reliable and proven DC drive

Water Specialist 1.25” EI Control Specifications

Inlet/Outlet Fittings	¾" to 1.25” NPS
Cycles	up to 6
Valve Material	Noryl (1) or equivalent
Regeneration	downflow

FLOW RATES

Service @15 psi/1 bar drop (includes meter)	34 gpm (129 lpm)
Backwash @ 25 psi/1.7 bar drop	32 gpm (121 lpm) (2)

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	0.95 - 129 lpm
Volume Range	0.500 - 250.0 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” NPT
Brine Line	⅜” or ½” OD Poly Tube
Mounting Base	2 ½” - 8 NPSM
Height From Top Of Tank	7 ⅜” (187 mm)
Weight	4.5 lbs. (2 kg)

ELECTRICAL SPECIFICATIONS

	AC Adapter	
	U.S.	International
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	6” - 22” Diameter
Water Filter (3)	6” - 24” Diameter

CYCLES OF OPERATION

Cycle	Range of times minutes
1. Backwash 1st (upflow)	1 - 20 or OFF
2. Regenerate Draw/Slow Rinse (downflow)	1 - 99 or OFF
3. Backwash 2nd (upflow)	1 - 20 or OFF
4. Fast Rinse (downflow)	1 - 20 or OFF
5. Regenerant Refill (in service with treated water)	0.1 to 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. Noryl is a trademark of General Electric
2. Aquired by use of external drain line flow control
3. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area/407 lpm per m^2 of bed area