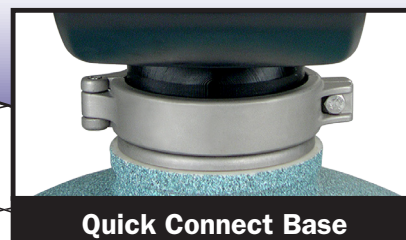


Clack Corporation



WATER SPECIALIST **2" LEI CONTROL VALVE**



- **2" Top mount control valve suited for mid-size commercial/industrial applications**
- **Quick Connect base options available**
- **Lead free brass construction**
- **Economical stainless steel optional meter assembly**
- **Service flow rate of 284 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 2" LEI Control Specifications

Inlet/Outlet (1)	2" FPT
Cycles	up to 6
Valve Material	Lead free brass
Regeneration	downflow
FLOW RATES	
Service @15 psi drop (includes meter).....	284 lpm (17 m ³ /h) (75 gpm)
Backwash @ 25 psi drop	189 lpm (11.3 m ³ /h) (50 gpm)
Cv Service	20
Cv Backwash	10
OPERATING PRESSURES	
Minimum/Maximum	1.4 - 8.6 bar (20 - 125 psi)
OPERATING TEMPERATURES	
Minimum/Maximum	4° - 43° C (40° - 110° F)
METER	
Accuracy	± 5%
Flow Rate Range.....	5.7 - 284 lpm (1.5 - 75 gpm)
Volume Range	1.000 - 500.0 m ³
Totalizer	0.001 - 9,999,000 m ³
DIMENSIONS & WEIGHT	
Distributor Pilot	
Valve bodies with female 2" NPT Inlet & Outlet	1.90" OD (1.5" NPS)
Valve bodies with female 2" BSPT Inlet & Outlet.....	50mm OD
Drain Line (2)	1.25" FPT
Brine Line	¾" FPT
Adapters Available	½" or ⅝" OD Poly Tube
Mounting Base.....	4" - 8 UN or Quick Disconnect 4"- 8 UN/6" Flange
Height From Top Of Tank.....	7.5" (191 mm) or 8.5" (216mm) Quick Connect
Shipping Weight With Meter	24 lbs. (10.9 Kg) or 26 (11.8 Kg) Quick Connect
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