

THE LANTIS CONTROL VALVE SPECIFICATION DATA SHEET



“Making Water Better!”



Certified to NSF/ANSI/CAN 61, NSF/ANSI 44 & 372.

- **DOT MATRIX CIRCUIT BOARD DISPLAY**
- **3 COLOR BACKLIT DISPLAY FOR “INSERVICE”, “PROGRAMMING”, AND “ERROR”**
- **MID-SIZE BACKPLATE AND UNIQUE DESIGNED TEXTURED FRONT COVER**
- **5 BUTTON SILICONE KEYPAD**
- **PROPORTIONAL BRINING FEATURE FOR HIGHER EFFICIENCIES**
- **LEVEL VI 15-VOLT OUTPUT DC POWER SUPPLY PROVIDES FOR A SAFE AND EASY INSTALLATION**
- **SCHEDULE SERVICE OUTPUT:: SCHEDULED SERVICE CAN BE BASED ON TIME, GALLONS USED,**
- **CAN BE MOUNTED ON 1”, 1 1/4” 1” TWIN, 1 1/2”, 2” 2” QC VALVE BODIES**
- **ADDITIONAL MAV OUTPUT ALLOWS THE VALVE TO DRIVE A MAV AND A NHWP**
- **SERVICE FLOW RATE OF 27 GPM BACKWASH RATE OF 27 GPM**
- **OPTIONAL DOUBLE BACKWASH FEATURE**
- **DOWNFLOW OR UPFLOW BRINING REGENERATION**
- **LINERARY RECIPROCATING PISTON OPERATION**
- **POST TREATED WATER REGENERATED REFILL**
- **FULLY ADJUSTABLE CYCLE TIMES WITH 6-CYCLE CONTROL DELIVERS CONTROLLED BACKWASH/DOWNFLOW/BRINING/SLOW RINSE/SECOND BACKWASH/FAST RINSE/REFILL/AND DOWNFLOW SERVICE**
- **PROGRESSIVE FLOW OPTION FOR UP TO 4 CONTROL VALVES (SYSTEMS)**
- **DOES NOT REQUIRE USE OF THE CLACK SYSTEM CONTROLLER**
- **CUSTOM NAME, DEALER INFORMATION, SERVICE MAINTENANCE SCROLL SCREEN**

Inlet/Outlet Fittings.....	¾" to 2" NPS
Cycles.....	Up to 6
Valve Material.....	Fiber Reinforced Composite
Regeneration.....	Downflow

FLOW RATES

Service @ 15 PSI drop (includes bypass and meter).....	27 GPM
Backwash @ 25 PSI drop (includes bypass).....	27 GPM
CV Service.....	7.0
CV Backwash.....	5.4

OPERATING PRESSURES

Minimum/Maximum.....	20 PSI - 125 PSI
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OPERATING TEMPERATURES

Minimum/Maximum.....	40° - 110° F
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METER

Accuracy.....	±5%
Flow Rate Range.....	0.25 - 27 GPM
Gallon Range.....	20 - 1,500,000 Gallons
Totalizer.....	1000 - 9,999,000 Gallons

DIMENSIONS & WEIGHT

Distributor Pilot.....	1.050" OD Pipe (¾" NPS)
Drain Line.....	¾" or 1" Male NPT
Brine Line.....	⅜" or ½" OD Poly Tube Compression
Mounting Base.....	2½" - 8 NPSM
Height from Top of Tank.....	7⅜"
Weight.....	5 lbs.

ELECTRICAL SPECIFICATIONS

POWER SUPPLY

	U.S.	International
Supply Voltage.....	100VAC - 120VAC	200VAC to 240VAC
Supply Frequency.....	50/60 Hz	50/60 Hz
Output Voltage.....	15 VDC	15 VDC
Output Current.....	500 mA	500 mA

TANK APPLICATIONS

Water Softener.....	6" - 21" Diameter
Water Filter ¹	6" - 21" Diameter

CYCLES OF OPERATION (SOFTENER DOWNFLOW)

Cycle	Softener	Filter
	Range of time in minutes	
1. Backwash 1 st (Upflow).....	1 - 95	Backwash 1 - 95
2. Regenerate Draw/Slow Rinse (downflow).....	1 - 180	
3. Backwash 2 nd (Upflow).....	1 - 95	
4. Fast Rinse (downflow).....	1 - 95	Rinse 1 - 95
5. Regenerant Refill (in service with treated water).....	0.1 - 99.0 or OFF	
6. Service (downflow)		