



## TECHNICAL DATA SHEET



**NAME:** DRAIN INJECTION SYSTEM (ELECTRIC)

**PART NUMBER(S):** AM911

### PRODUCT DESCRIPTION:

The **Drain Injection System** offers manual function controls over stroke length and stroke rate as standard with the option to select external pace for automatic control. It has pressure capabilities to 100 PSIG (7 BAR) and flow capacities to 30 GPD (4.7 lph) @ 100 PSIG (7.0 BAR), with a standard turndown ratio of 100:1 and an optional ratio of 2000:1. Metering performance is reproducible to within  $\pm 3\%$  of maximum capacity.

### Features and Benefits:

- Manual control: Adjustable stroke rate and length.
- Reliable timing circuit.
- Circuit protection against voltage/current upsets.
- Thermal overload protection with auto-reset.
- Water-resistant for indoor/outdoor use.
- Internally dampened for noise reduction.
- Guided ball check valves for minimal back-flow and strong priming.
- Few moving parts; wall mountable.
- Safe, easy priming with leak-free bleed valve.
- Optional external pacing with auto/manual selection.
- Reliable metering performance.
- Rated "hot" for continuous duty.
- High viscosity capability.
- Leak-free, sealless, liquid end.

### Use On:

- Drain lines
- Grease traps
- Grit chambers
- Basins
- Lift Stations

### Warning:

Warns about hazards that CAN cause death, serious personal injury, or property damage if ignored. ELECTRIC SHOCK HAZARD.

### Quantities:

1 UNIT/CASE

[WWW.GREENCHEMLABS.COM](http://WWW.GREENCHEMLABS.COM)

**CUSTOMER SERVICE: 1-800-946-3151 | FAX: 1-800-336-9068**





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**PRODUCT DESCRIPTION:**



**Controls:**

**Manual Stroke Rate**

- Turn-Down Ratio 10:1

**Manual Stroke Length**

- Turn-Down Ratio 10:1

**External Pacing Option**

**External Stop Option**

**External Pace With Stop**

**Option (125 SPM only)**

**Specifications:**

MODEL		LBC2	LB02	LBC3	LB03	LB04	LB64	LBC4	LBS2	LBS3	LBS4
Capacity nominal (max)	GPH	0.25	0.25	0.42	0.50	1.00	1.25	2.00	0.50	1.38	2.42
	GPD	6	6	10	12	24	30	48	12	33	58
	LPH	0.9	0.9	1.6	1.9	3.8	4.7	7.6	1.9	5.2	9.14
Pressure <sup>3</sup> (max.)	GFPP, PVDF, 316SS or PVC (W code) w/TFE Seats	250 (17)	150 (10)	250 (17)	150 (10)	100 (7)	100 (7)	50 (3.3)	250 (17)	150 (10)	100 (7)
	PVC (V code) Viton or CSPE Seats / Degas Liquid End	150 (10)							150 (10)		
Connections:	Tubing	1/4" ID X 3/8" OD					3/8" ID X 1/2" OD		1/4" ID X 3/8" OD		
	Piping	1/4" FNPT									
Strokes/Minute	SPM	125							250		

Note 3: Pumps with rated pressure above 150 PSI will be de-rated to 150 PSI Max. when selecting certain valve options, see Price Book for details.





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**Engineering Data:**

Pump Head Materials Available	GFPP, PVC, PVDF, 316 SS
Diaphragm	PTFE-faced CSPE-backed
<b>Check Valves Materials Available</b>	
Seats/O-Rings	PTFE, CSPE, Viton
Balls	Ceramic, PTFE, 316 SS, Alloy C
Fittings Materials Available	GFPP, PVC, PVDF
Bleed Valve	Same as fitting and check valve selected, except 316SS
Injection Valve & Foot Valve Assy	Same as fitting and check valve selected
Tubing	Clear PVC, White PE

Important: Material Code - GFPP=Glass-filled Polypropylene, PVC=Polyvinyl Chloride, PE=Polyethylene, PVDF=Polyvinylidene Fluoride, CSPE=Generic formulation of Hypalon, a registered trademark of E.I. DuPont Company. Viton is a registered trademark of E.I. DuPont Company. PVC wetted end recommended for sodium hypochlorite.

Reproducibility	±3% at maximum capacity
Viscosity Max CPS	1000 CPS
For viscosity up to 3000 CPS, select connection size 3, 4, B or C with 316SS ball material. Flow rate will determine connection/ball size. Greater than 3000 CPS require spring loaded ball checks. See Selection Guide for proper connection.	
Stroke Frequency Max SPM	125
Stroke Frequency Turn-Down Ratio	10:1
Stroke Length Turn-Down Ratio	10:1
Power Input	115 VAC / 50-60 HZ / 1 ph 230 VAC / 50-60 HZ / 1 ph
<b>Average Current Draw</b>	
@ 115 VAC: Amps	0.6 Amps
@230 VAC: Amps	0.3 Amps
Peak Input Power	130 Watts
Average Input Power @ Max SPM	50 Watts
Approvals	Conforms to ANS/NSF STD. 50

**Dimensions:**

**DIMENSIONS**

Series A PLUS Dimensions (inches)						
Model No.	A	B	C	D	E	Shipping Weight
LB02 / S2	5.0	9.6	9.5	6.5	8.2	10 lbs.
LBC2	5.0	9.9	9.5	6.5	8.5	10 lbs.
LBC3	5.0	9.9	9.5	6.5	8.5	10 lbs.
LB03 / S3	5.0	9.9	9.5	6.5	8.5	10 lbs.
LB04 / S4	5.0	9.9	9.5	6.5	8.5	10 lbs.
LB64	5.0	9.9	9.5	6.5	8.5	10 lbs.
LBC4	5.0	9.9	9.5	6.5	8.5	10 lbs.

NOTE: Inches X 2.54 = cm

