

Pulsatron Series A Plus

The Pulsatron Series A Plus offers manual function controls over stroke length and stroke rate as standard with the option to select external pace for automatic control.

Ten distinct models are available, having pressure capabilities to 250 PSIG (17 BAR) @ 12 GPD (1.9 lph), and flow capacities to 58 GPD (9.1 lph) @ 100 PSIG (7.0 BAR), with a standard turndown ratio of 100:1, and optional ratio of 2000:1. Metering performance is reproducible to within \pm 3% of maximum capacity.

FEATURES

- Manual control by on-line adjustable stroke rate and stroke length.
- Highly reliable timing circuit.
- Circuit protection against voltage and current upsets.
- Solenoid protection by thermal overload with auto-reset.
- Water resistant, for outdoor and indoor applications.
- Internally damped to reduce noise.
- Guided ball check valve systems, to reduce back flow and enhance outstanding priming characteristics.
- Few moving parts and wall mountable.
- Safe & easy priming with durable leak-free bleed valve assembly.
- Optional control: External pace with auto/manual selection.



BENEFITS

- Reliable metering performance.
- Rated "hot" for continuous duty.
- High viscosity capability.
- Leak-free, sealless, liquid end.

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 ³ (max.)	GFPP, PVDF, 316SS or PVC (W code) w/TFE Seats)	PSIG (Bar)	250 (17)	150 (10)	250 (17)	150 (10)	100 (7)	100 (7)	50 (3.3)	250 (17)	150 (10)								
	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										
Strokes/Minute		Piping	1/4" FNPT																
Strokes/Minute		SPM	125																

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.

ENGINEERING DATA

Pump Head Materials Available	GFPP, PVC, PVDF, 316 SS
Diaphragm	PTFE-faced CSPE-backed
Check Valves Materials Available	
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
Average Current Draw	
@ 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 ANSI/NSF STD. 50

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

