

### Key Features

- **Manual Control** by on-line adjustable stroke rate and stroke length.
- **Agency approved** for demanding **OUTDOOR** and indoor applications.
- **Highly Reliable** timing circuit.
- **Water Resistant** excellent for outdoor and indoor applications.
- **Internally Dampened To Reduce Noise**, very acceptable for household installations.
- **Guided Ball Check Valve Systems**, to reduce back flow and enhance outstanding priming characteristics.
- **Premium Standard Wetted Component Materials**.
- **Few Moving Parts** and **Wall Mountable**.
- **Safe & Easy Priming** with durable leak-free **bleed valve assembly** (standard).
- **Optional Control**: External pace with auto/manual selection.

### Complete Economical Selection

Seven distinct models are available, having pressure capabilities to 250 PSIG, and flow capacities to 48 GPD, with a turndown ratio of 100:1. Metering performance is reproducible to within  $\pm 3\%$  of maximum capacity.

Please refer to the reverse side for Series A PLUS specifications.

### Operating Benefits

**Reliable metering performance.** Our guided check valves, with their state-of-the-art seat and ball designs, provide precise seating, and excellent priming and suction lift characteristics. Our timing circuit is highly reliable and, by design, virtually unaffected by temperature, EMI and other electrical disturbances.

**Rated "hot" for continuous duty.** Series A PLUS pumps continue to meet their specifications for pressure and capacity even during extended use. That's because of our high quality solenoid and special enclosure that effectively dissipates heat.

**High viscosity capability.** A straight flow path and ample clearance between the diaphragm and head enable standard PULSAtron pumps to handle viscous chemicals up to a viscosity of 1000 CPS.

**Leak-free, sealless, liquid end.** Our diaphragms are of superior construction—PTFE-faced, bonded to a composite of Hypalon and fabric layers, and reinforced with a metal insert for optimum flexibility and durability.

For additional information about PULSAtron's full-featured Series MP & Series E Plus, refer to Technical Sheet No. EMP-027 & EMP-021, about the mid-range Series E & Series D refer to Technical Sheet No. EMP-022 & EMP-023. For information about the economical Series C PLUS & Series C, refer to Technical Sheet No. EMP-026 & EMP-024.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

### System Compatibility

**A wide variety of chemicals can be pumped.** Liquid end materials include glass-filled polypropylene (GFPP), PVC, Polyvinylidene Fluoride (PVDF), PTFE, Hypalon, Viton, ceramic, alloys and 316SS.

#### Immediate installation and start-up.

Included as standard accessories with all models are an injection/back pressure valve assembly and a foot valve/strainer assembly\*, including discharge and suction tubing.

#### Safe and easy priming and valve maintenance.

Included as a standard accessory is a bleed valve assembly, including return tubing (available only on those models with tubing connections).

#### Quick and economical liquid end maintenance.

Available for every model is a unique KOPkit®, a convenient, economically priced, package containing new cartridge check valves and other important spare parts.



technology  
innovation  
diversity  
excellence

# PULSAtron Series A Plus Specifications

Series A PLUS - Six model selections. Digit 1 and 2 (LB) signify product class, digit 3 and 4 signify pressure flow.

## Pressure and Flow Rate Capacity

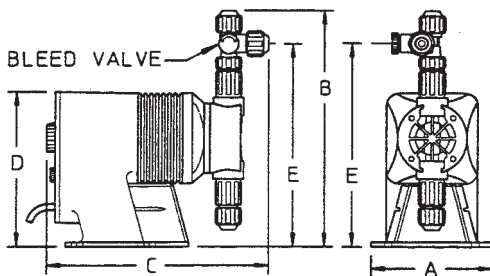
MODEL		LBC2	LB02	LBC3	LB03	LB04	LB64	LBC4
Capacity nominal (max.)	GPH	0.25	0.25	0.42	0.50	1.00	1.25	2.00
	GPD	6	6	10	12	24	30	48
	LPH	0.9	0.9	1.6	1.9	3.8	4.7	7.6
Pressure (max.)	PSIG	250	150	250	150	100	100	50
	BAR	17	10	17	10	7	7	3.3
Connections:	Tubing	1/4" ID X 3/8" OD 3/8" ID X 1/2" OD						
	Piping	1/4" FNPT						
Reproducibility	+/- 3% at maximum capacity							
Viscosity Max CPS	1000							
Stroke Frequency	125 Strokes Per Minute (SPM) maximum							
Stroke Frequency Turn-	10:1							
Stroke Length Turn-	10:1							
Power Input	115 VAC/50-60 HZ/1 ph 230 VAC/50-60 HZ/1 ph							
Average Current Draw	0.6 Amps @ 115 VAC, 0.3 Amps @ 230 VAC							
Peak Input Power	130 Watts							
Average Input Power @	50 Watts							

## Liquid End Materials

Series	Pump Head	Diaphragm	Check Valves		Fittings	Bleed Valves	Injection Valve Assembly Foot Valve Assembly	Tubing
			Seats/O-Rings	Balls				
A Plus	GFPPL PVC PDVF 316SS	PTFE-faced Hypalon-backed	PTFE, Hypalon, Viton	Ceramic, PTFE, 316 SS Alloy C	GFPPL PVC PVDF	Same as fitting and check valve selected, except 316 SS	Same as fitting and check valve selected	Clear PVC White PE

**Important:** Material Code— GFPPL = Glass-filled Polypropylene, PVC = Polyvinyl Chloride, PE = Polyethylene, PVDF = Polyvinylidene Fluoride. Hypalon and Viton are registered trademarks of E.I. DuPont Company. PVC wetted end recommended for sodium hypochlorite.

## Dimensions



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

NOTE: Inches X 2.54 = cm

An ISO Certified Company



EMP025 K09



A Unit of IDEX Corporation

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