

# Series A PLUS

## PULSAtron® Electronic Metering Pumps

### 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**.
- **Convenient Tank Systems** available.
- **Safe & Easy Priming** with durable leak-free bleed valve assembly (standard).
- **Optional Control:** External pace with auto/manual selection.

### Complete Economical Selection

Four distinct models are available, having pressure capabilities to 150 PSIG, and flow capacities to 30 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 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—teflon-faced, bonded to a composite of Hypalon and fabric layers, and reinforced with a metal insert for optimum flexibility and durability.

### System Compatibility

**A wide variety of chemicals can be pumped.** Liquid end materials include glass-filled polypropylene (GFPP), PVC, styrene-acrylonitrile (SAN), Polyvinylidene Fluoride (PVDF), Teflon, 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.



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

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# PULSAtron® Series A PLUS Specifications

## Pressure and Flow Rate Capacity

Capacity, nominal	GPD	6	12	22	30
	GPH	0.25	0.50	0.91	1.25
	LPH	0.95	1.89	3.47	5.04
Pressure, max PSIG/Bar					
150/10		LB02	LB03		
100/7				LB04	LB64

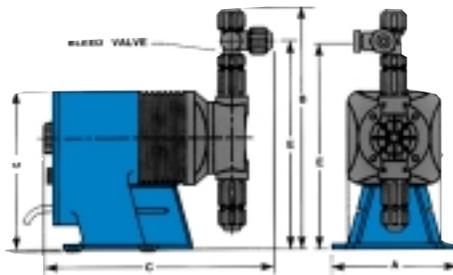
**Important:** Series A PLUS — 4 model selections. Digit 1 and 2 (LB) signify product class, digit 3 and 4 signify pressure/flow. For full model selection information refer to Price Schedule EMP-PS LX, or Reference Guide No. EMP-003.

## Liquid End Materials

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

**Important:** Material Code — GFPPL = Glass-filled Polypropylene, PVC = Polyvinyl Chloride, SAN = Styrene Acrylonitrile, PE = Polyethylene, PVDF = Polyvinylidene Fluoride. Teflon, Hypalon and Viton are registered trademarks of E.I. DuPont Company.

## Dimensions



Series A PLUS Dimensions (inches)						
Model No.	A	B	C	D	E	Shipping Weight (lbs.)
LB02	5.0	9.6	9.5	6.5	8.2	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

Note: Inches x 2.54=cm

## KOPkit®

Pulsafeeder has built a reputation for superior reliability by supplying carefully designed, high quality equipment. Even the best equipment, however, requires a minimal amount of maintenance. KOPkits are designed to guard against unnecessary downtime and assure you the highest level of efficient and uninterrupted service from our PULSAtron pumps. KOPkits contain recommended spare parts that usually require preventive maintenance. KOPkits immediately available in all wetted materials at very affordable prices.



For further KOPkit information refer to Technical Sheet No. EMP-002.

## PULSAtron's Full Range of Electronic Metering Pumps.



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### Standard Product Operations

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Technical Sheet No. EMP-025  
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Printed in U.S.A. 3/98