

The Pulsatron Series LX offers manual function controls over stroke length and stroke rate as standard. Since this Pulsatron Series LX model is manufactured with Turck connector instead of a power cord, no electrician is required to hook up the pump to your control panel.

Three distinct models are available, having pressure capabilities to 250 PSIG (17 BAR), and flow capacities to 58 GPD (9.1 lph), with a standard turndown ratio of 600:1. Metering performance is reproducible to within  $\pm 3\%$  of maximum capacity.

### Features

- Manual Control by on-line adjustable stroke rate and stroke length.
- 600:1 turndown with stroke length and frequency adjustment.
- Highly Reliable timing circuit with 250 stroke per minute maximum frequency.
- Circuit Protection against voltage and current upsets.
- Solenoid Protection by thermal overload with auto-reset.
- Water Resistant, for outdoor and indoor applications.
- Internally Dampened 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 (standard).
- Quick and Economical liquid end maintenance.
- Immediate Installation and Start-Up.

### Applications

- Corrosion Inhibitor Injection.
- Surfactant Injection.
- Emulsifiers.

### Controls



**Manual Stroke Rate**

**Manual Stroke Length**

### Operating Benefits

- No Electrician Required
- Reliable metering performance.
- Rated “hot” for continuous duty.
- High viscosity capability.
- Leak-free, sealless, liquid end.



### Aftermarket

- KOPkits
- Gauges
- Dampeners
- Pressure Relief Valves
- Tanks
- Pre-Engineered Systems
- Process Controllers (PULSAblue, MicroVision)



# PULSAtron® Series LX

## Specifications and Model Selection

MODEL		LX02	LX03	LX04
Capacity nominal (max.)	GPH	0.5	1.38	2.42
	GPD	12	33	58
	LPH	1.9	5.2	9.14
Pressure <sup>3</sup> (max.)	PSIG (Bar)	250 (17)	150 (10)	100 (7)
Connections:	Tubing	1/4" ID X 3/8" OD		
	Piping	1/4" FNPT		
Strokes/Minute	SPM	250		

### Engineering Data

**Pump Head Materials Available:** GFPPPL  
PVC  
PVDF  
316 SS  
PTFE-faced CSPE-backed

**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:** GFPPPL  
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 - GFPPPL=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.

### Dimensions

Series LX Dimensions (inches)						
Model No.	A	B	C	D	E	Shipping Weight
LX02	5	9.6	9.5	6.5	8.2	10
LX03	5.0	9.9	9.5	6.5	8.5	10
LX04	5.0	9.9	9.5	6.5	8.5	10

NOTE: Inches X 2.54 = cm

### Engineering Data

**Reproducibility:** +/- 3% at maximum capacity

**Viscosity Max CPS:** 1000 CPS

**Stroke Frequency Max SPM:** 250

**Stroke Frequency Turn-Down Ratio:** 200:1

**Stroke Length Turn-Down Ratio:** 3:1

**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

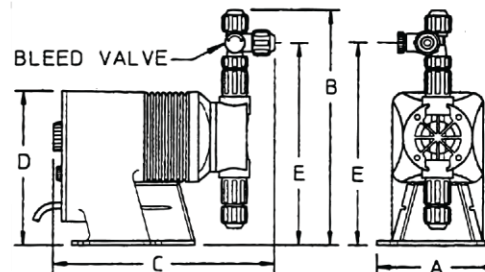
**Average Input Power @ Max SPM:** 50 Watts

### Custom Engineered Designs – Pre-Engineered Systems



#### Pre-Engineered Systems

Pulsafeeder's Pre-Engineered Systems are designed to provide complete chemical feed solutions for all electronic metering applications. From stand alone simplex pH control applications to full-featured, redundant sodium hypochlorite disinfection metering, these rugged fabricated assemblies offer turn-key simplicity and industrial-grade durability. The UV-stabilized, high-grade HDPE frame offers maximum chemical compatibility and structural rigidity. Each system is factory assembled and hydrostatically tested prior to shipment.



[pulsafeeder.com](http://pulsafeeder.com)

**PULSAFEEDER**  
27101 Airport Rd  
Punta Gorda, FL 33982  
Phone: ++1(941) 575-3800  
Fax: ++1(941) 575-4085

An ISO 9001 and ISO 14001 Certified Company

**IBEX**  
CORPORATION

EMP046 G13