

# PULSAFEEDER®

The Pulsatron Series C Plus offers manual function control over stroke length and stroke rate as standard with the option to select external pace for automatic control. The primary difference between the Series A Plus and Series C Plus is the pressure rating.

Four distinct models are available, having pressure capabilities of 80 PSIG (5.6 BAR), and flow capacities up to 30 GPD (4.7 lph), with a turndown ratio of 100:1. 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 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).
- Optional Control: External pace with auto/manual selection.

## Controls



### Manual Stroke Rate

- Turn-Down Ratio 10:1

### Manual Stroke Length

- Turn-Down Ratio 10:1

### External Pacing-Optional

- Auto/Manual Selection

## Operating Benefits

- 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 (MicroVision)



1. Tested and Certified by WQA against NSF/ANSI 61 & 372.



1. PVDF and Degassing Head Pumps  
See [www.wqa.org](http://www.wqa.org) for certification parameters.

## PULSAtron® Series C Plus Electronic Metering Pumps

# PULSAtron® Series C Plus

## Specifications and Model Selection

MODEL		LD02	LD03	LD04	LD54
Capacity nominal (max.)	GPH	0.25	0.50	1.00	1.25
	GPD	6	12	24	30
	LPH	0.9	1.9	3.8	4.7
Pressure (max.)	PSIG	80	80	80	80
	BAR	5.6	5.6	5.6	5.6
Connections:	Tubing	1/4" ID X 3/8" OD 3/8" ID X 1/2" OD			
	Piping	1/4" FNPT			

### Engineering Data

**Pump Head Materials Available:** GFPPPL  
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:** 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.

### Engineering Data

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

**Viscosity Max CPS:** 1000 CPS

**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 @ 230 VAC

**Peak Input Power:** 130 Watts

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

### Custom Engineered Designs – Pre-Engineered Systems



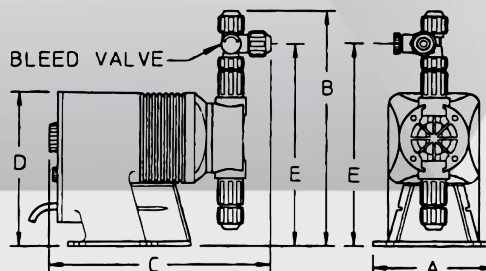
#### Pre-Engineered Systems

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.

### Dimensions

Series C PLUS Dimensions (Inches)						
Model No.	A	B	C	D	E	Shipping Weight
LD02	5.0	9.6	9.5	6.5	8.2	10
LD03	5.0	9.9	9.5	6.5	8.5	10
LD04	5.0	9.9	9.5	6.5	8.5	10
LD54	5.0	9.9	9.5	6.5	8.5	10

NOTE: Inches X 2.54 = cm



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