

# 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 (PULSAblue, MicroVision)



**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<br>3/8" ID X 1/2" OD |      |      |      |
|                         | Piping | 1/4" FNPT                              |      |      |      |

### Engineering Data

|   |  |
|---|--|
| <b>Pump Head Materials Available:</b>         | GFPPL<br>PVC<br>PVDF<br>316 SS                         |
| <b>Diaphragm:</b>                             | PTFE-faced CSPE-backed                                 |
| <b>Check Valves Materials Available:</b>      |  |
| <b>Seats/O-Rings:</b>                         | PTFE<br>CSPE<br>Viton                                  |
| <b>Balls:</b>                                 | Ceramic<br>PTFE<br>316 SS<br>Alloy C                   |
| <b>Fittings Materials Available:</b>          | GFPPL<br>PVC<br>PVDF                                   |
| <b>Bleed Valve:</b>                           | Same as fitting and check valve selected, except 316SS |
| <b>Injection Valve &amp; Foot Valve Assy:</b> | Same as fitting and check valve selected               |
| <b>Tubing:</b>                                | Clear PVC<br>White PE                                  |

Important: Material Code - GFPPL=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

|  |  |
|--|--|
| <b>Reproducibility:</b>                  | +/- 3% at maximum capacity                     |
| <b>Viscosity Max CPS:</b>                | 1000 CPS                                       |
| <b>Stroke Frequency Max SPM:</b>         | 125  |
| <b>Stroke Frequency Turn-Down Ratio:</b> | 10:1   |
| <b>Stroke Length Turn-Down Ratio:</b>    | 10:1   |
| <b>Power Input:</b>                      | 115 VAC/50-60 HZ/1 ph<br>230 VAC/50-60 HZ/1 ph |
| <b>Average Current Draw:</b>             |  |
| <b>@ 115 VAC; Amps:</b>                  | 0.6 Amps                                       |
| <b>@ 230 VAC; Amps:</b>                  | 0.3 Amps @ 230 VAC                             |
| <b>Peak Input Power:</b>                 | 130 Watts                                      |
| <b>Average Input Power @ Max SPM:</b>    | 50 Watts                                       |

### Custom Engineered Designs – Pre-Engineered Systems



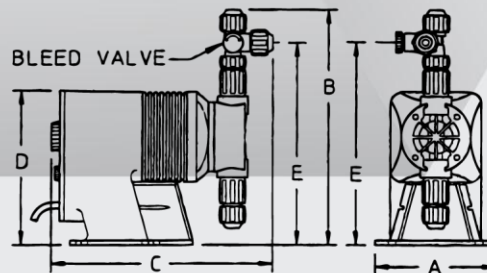
#### Pre-Engineered Systems

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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EMP026 H14

