

# PULSAFEEDER®

The Pulsatron Series C offers manual online stroke length adjustment with fixed stroke rate. Optional control features include external pace a choice between momentary on/off switch for priming the pump or a toggle on/off switch for manual override of all control functions.

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 10:1. Metering performance is reproducible to within  $\pm 3\%$  of maximum capacity.

## Features

- Manual Control by on-line adjustable stroke length (fixed stroke rate).
- Liquid Low Level Option available to prevent loss of prime.
- 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).
- Automatic Control by external pacing with prime switch (optional).

## Controls



### Manual Stroke Length

- Turn-Down Ratio 5:1

### External Pacing-Optional

- Auto/Manual Selection or Prime Button

## 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**  
**Electronic Metering Pumps**

# PULSAtron® Series C

## Specifications and Model Selection

| MODEL                   |        | LC02                                   | LC03 | LC04 | LC54 |
|-------------------------|--------|--|------|------|------|
| 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>         | GFPPPL<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>          | GFPPPL<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 - 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

|                                       |  |
|---------------------------------------|--|
| <b>Reproducibility:</b>               | +/- 3% at maximum capacity                     |
| <b>Viscosity Max CPS:</b>             | 1000 CPS                                       |
| <b>Stroke Frequency Max SPM:</b>      | 125  |
| <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



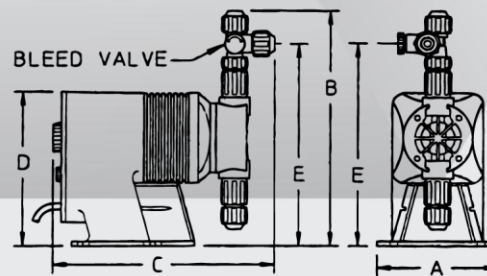
#### Pre-Engineered Systems

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 Dimensions (inches) |     |     |     |     |     |                 |
|------------------------------|-----|-----|-----|-----|-----|-----------------|
| Model No.                    | A   | B   | C   | D   | E   | Shipping Weight |
| LC02                         | 5.0 | 9.6 | 9.5 | 6.5 | 8.2 | 10              |
| LC03                         | 5.0 | 9.9 | 9.5 | 6.5 | 8.5 | 10              |
| LC04                         | 5.0 | 9.9 | 9.5 | 6.5 | 8.5 | 10              |
| LC54                         | 5.0 | 9.9 | 9.5 | 6.5 | 8.5 | 10              |

NOTE: Inches X 2.54 = cm



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