# PULSAFEEDER®

The Pulsatron Series T7 was designed to feed chemical products on a timed schedule. Typical applications include the feed of biocides in open-air cooling towers. The feed cycle is initiated and controlled by the programmable timer. The Series T7 provides everything you need in one unique, compact package to create a simple and cost effective metering system for timed applications.

A 7-day programmable timer controls the Series T7. The timer is programmable in 1-minute increments with up to 8 on/off cycles per day. Each timed event can be set to run any day of the week on a 7-day cycle.
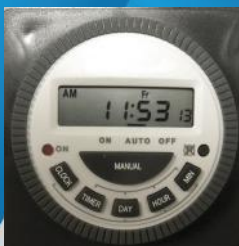Other control features include a standby mode, continuous 'ON' mode and the ability to adjust the stroke length from 0 to 100%.

Four distinct models are available, having pressure capabilities to 100 PSIG (7.0 BAR) @ 12 GPD (1.9 lph), and flow capabilities to 48 GPD (7.6 lph) @ 50 PSIG (3.3 BAR), with a turndown ratio of 10:1. Metering performance is reproducible to within ± 3% of maximum capacity.

## Features
- Complete Timer Control in one unique package.
- Solid State 7 Day Electronic Timer.
- Isolated from Earth Ground.
- Few Moving Parts and Wall Mountable.
- Safe & Easy Priming with durable leak-free bleed valve assembly (standard).

## Operating Benefits
- Reliable metering performance.
- Rated "hot" for continuous duty.
- Leak-free, sealless, liquid end.

## Controls

### 7 Day Programmable Timer
- Program up to 8 On/Off Events Per Day
- Timed Events Can Be Set To Run Any Day Of The Week In A 7-Day Cycle.

### Manual Stroke Length
- Turn-Down Ratio 10:1

## 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 for certification parameters.

## PULSAtron® Series T7
## Electronic Metering Pumps

# PULSAtron® Series T7
## Specifications and Model Selection

| MODEL | | LC13BA | LC14BA | LC64BA | LC44BA |
|---|---|---|---|---|---|
| Capacity | GPH | 0.50 | 1.00 | 1.25 | 2.00 |
| nominal | GPD | 12 | 24 | 30 | 48 |
| (max.) | LPH | 1.9 | 3.8 | 4.7 | 7.6 |
| Pressure | PSIG | 100 | 100 | 100 | 50 |
| (max.) | BAR | 7 | 7 | 7 | 3.3 |
| Connections: | Tubing | 1/4" ID X 3/8" OD | | | |

## Engineering Data

**Pump Head Materials Available:** GFPPL
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:** GFPPL
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 - 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

**Reproducibility:** +/- 3% at maximum capacity
**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
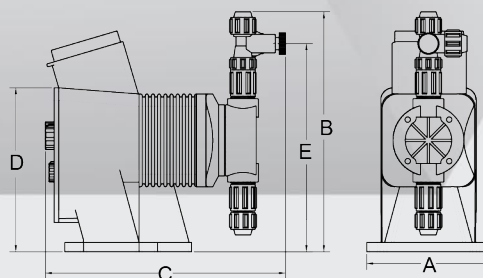
## Custom Engineered Designs – Pre-Engineered Systems

**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 T7 Dimensions (inches | | | | | |
|---|---|---|---|---|---|---|
| Model No. | A | B | C | D | E | Shipping Weight (lbs.) |
| LC13BA | 5.0 | 9.6 | 9.5 | 6.5 | 8.2 | 10 |
| LC14BA | 5.0 | 9.9 | 9.5 | 6.5 | 8.5 | 10 |
| LC64BA | 5.0 | 9.9 | 9.5 | 6.5 | 8.5 | 10 |
| LC44BA | 5.4 | 10.6 | 11.3 | 7.4 | 9.2 | 11.8 |

NOTE: Inches X 2.54 = cm