

# **PULSAFEEDER®**

The Pulsatron Series E offers manual function controls over stroke length and stroke rate providing a turn down ratio of 100:1. Our best value in a pump with this capacity.

Twenty distinct models are available, having pressure capabilities to 300 PSIG (21 BAR) @ 3 GPD (0.5 lph), and flow capacities to 600 GPD (94.6 lph) @ 30 PSIG (2 BAR), 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.
- Guided Ball Check Valve Systems, to reduce back flow and enhance outstanding priming characteristics.
- Safe & Easy Priming with durable leak-free bleed valve assembly (standard).

## Controls



### Manual Stroke Rate

- Turn-Down Ratio 10:1

### Manual Stroke Length

- Turn-Down Ratio 10:1

## 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)



**PULSAtron® Series E**  
**Electronic Metering Pumps**

# PULSAtron® Series E

## Specifications and Model Selection

MODEL		LEK2	LE12	LE02	LE33	LE13	LE03	LEK3	LEF4	LE34	LE14	LEH4	LEG4	LE44	LEK5	LEH5	LEH6	LEK7	LEH7	LEJ7	LEH8
Capacity nominal (max.)	GPH	0.13	0.21	0.25	0.50	0.50	0.50	0.60	0.85	0.90	1.00	1.70	1.75	1.85	2.50	3.15	5.00	8.00	10.00	10.00	25.00
	GPD	3	5	6	12	12	12	14	20	22	24	41	42	44	60	76	120	192	240	240	600
	LPH	0.5	0.8	0.9	1.9	1.9	1.9	2.3	3.2	3.4	3.8	6.4	6.6	7	9.5	11.9	18.9	30.3	37.9	37.9	94.6
Pressure (max.)	PSIG	300	250	150	250	150	100	100	250	150	100	250	150	100	150	150	100	50	35	80	30
	BAR	21	17	10	17	10	7	7	17	10	7	17	10	7	10	10	7	3.3	2.4	5.5	2
Connections:	Tubing	1/4" ID X 3/8" OD										3/8" ID X 1/2" OD									
	Piping	3/8" ID X 1/2" OD										1/2" ID X 3/4" OD (LPH8 ONLY)									
		1/4" FNPT										1/4" FNPT									
												1/2" FNPT									

## 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.

## Dimensions

Series E Dimensions (inches)																	
Model No.	A	B	B1	C	C1	D	E	Shpg Wt	Model No.	A	B	B1	C	C1	D	E	Shpg Wt
LE02	5	9.6	-	9.5	-	6.4	8.2	7	LEH4	6.2	10.9	-	11.2	-	8.2	9.5	18
LE03	5	9.8	-	9.5	-	6.4	8.4	7	LEH5	6.2	11.3	-	11.2	-	8.2	9.9	18
LE12	5	9.6	-	9.5	-	6.4	8.2	7	LEH6	6.2	11.3	-	11.2	-	8.2	9.9	18
LE13	5	9.8	-	9.5	-	6.4	8.4	7	LEH7	6.1	11.7	-	11.2	-	8.2	10.3	18
LE14	5	9.8	-	9.5	-	6.4	8.4	7	LEH8*	6.1	-	10.9	-	10.6	8.2	-	23
LE33	5.4	10.6	-	11.2	-	7.5	9.2	12	LEK2	5.4	10.3	-	10.8	-	7.5	8.9	10
LE34	5.4	10.6	-	11.2	-	7.5	9.2	12	LEK3	5.4	10.6	-	10.7	-	7.5	9.2	10
LE44	5.4	10.6	-	11.2	-	7.5	9.2	12	LEK5	5.4	10.9	-	11.7	-	7.5	9.5	15
LEF4	5.4	10.6	-	11.7	-	7.5	9.2	15	LEK7	6.1	11.7	-	11.2	-	8.2	10.3	18
LEG4	5.4	10.6	-	11.7	-	7.5	9.2	15	LEJ7	6.1	10.0	-	10.7	-	-	-	18

NOTE: Inches X 2.54 = cm

\* the LEH8 is designed without a bleed valve available

## Engineering Data

### Reproducibility:

+/- 3% at maximum capacity

### Viscosity Max CPS:

For viscosity up to 3000 CPS, select connection size 3, 4, B or C with 316SS ball material. Flow rate will determine connection/ball size. Greater than 3000 CPS require spring loaded ball checks. See Selection Guide for proper connection.

### 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:

#### @ 115VAC; Amps:

1.0 Amps

#### @ 230 VAC; Amps:

0.5 Amps

### Peak Input Power:

300 Watts

### Average Input Power @ Max SPM:

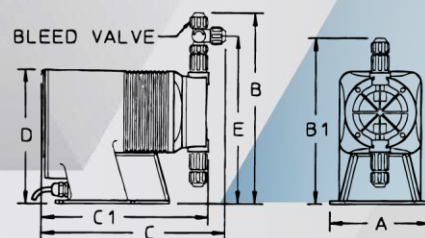
130 Watts

## 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.



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EMP022 B15

