

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 250 PSIG (17 BAR) @ 5 GPD (0.8 lph), and flow capacities to 44 GPD (7 lph) @ 100 PSIG (7 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<sup>®</sup> Series E

## Specifications and Model Selection

MODEL		LE12	LE02	LE33	LE13	LE03	LE34	LE14	LE44
Capacity nominal (max.)	GPH	0.21	0.25	0.50	0.50	0.50	0.90	1.00	1.85
	GPD	5	6	12	12	12	22	24	44
	LPH	0.8	0.9	1.9	1.9	1.9	3.4	3.8	7
Pressure (max.)	PSIG	250	150	250	150	100	150	100	100
	BAR	17	10	17	10	7	10	7	7
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:** GFPP, 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:** GFPP, 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 - GFPP=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:** 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:**

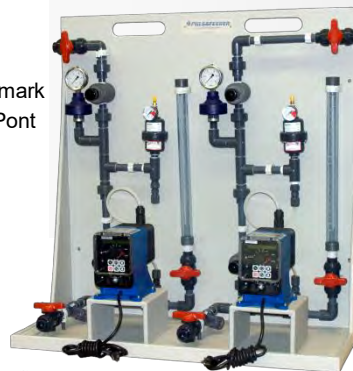
**@ 115VAC; Amps:** 1.0 Amps

**@ 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.

### Dimensions

Series E Dimensions (inches)								
Model No.	A	B	B1	C	C1	D	E	Shpg Wt
LE02	5	9.6	-	9.5	-	6.4	8.2	7
LE03	5	9.8	-	9.5	-	6.4	8.4	7
LE12	5	9.6	-	9.5	-	6.4	8.2	7
LE13	5	9.8	-	9.5	-	6.4	8.4	7
LE14	5	9.8	-	9.5	-	6.4	8.4	7
LE33	5.4	10.6	-	11.2	-	7.5	9.2	12
LE34	5.4	10.6	-	11.2	-	7.5	9.2	12
LE44	5.4	10.6	-	11.2	-	7.5	9.2	12

NOTE: Inches X 2.54 = cm

