



## PULSAtron Series E

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.
- Panel Mounted Fuse.
- Solenoid Protection by thermal overload with auto-reset.
- Water Resistant, for outdoor and indoor applications.
- Indicator Lights, panel mounted.
- 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).



### BENEFITS

- Reliable metering performance.
- Rated "hot" for continuous duty.
- High viscosity capability.
- Leak-free, sealless, liquid end.



### CONTROLS

#### Manual Stroke Rate

- Turn-Down Ratio 10:1

#### Manual Stroke Length

- Turn-Down Ratio 10:1



Tested and Certified by WQA  
against NSF/ANSI/CAN 61 & 372.



PVDF & PVC Degass Head Pumps.  
See [www.wqa.org](http://www.wqa.org) for  
certification parameters.

## SPECIFICATIONS

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							
	Piping	3/8" ID X 1/2" OD							
		1/4" FNPT							

## ENGINEERING DATA

Pump Head Materials Available	GFPPL, PVC, PVDF, 316 SS
Diaphragm	PTFE-faced CSPE-backed
<b>Check Valves Materials Available</b>	
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

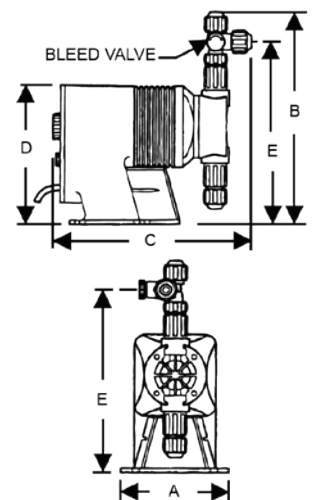
Important: Material Code - GFPPL=Glass-filled Polypropylene, PVC=Polyvinyl Chloride, PE=Polyethylene, PVDF=Polyvinylidene Fluoride, CSPE=Generic formulation of Hypalon, a registered trademark of E.I. DuPont Company. Viton is a registered trademark of E.I. DuPont Company. PVC wetted end recommended for sodium hypochlorite.

Reproducibility	±3% at maximum capacity
Viscosity Max CPS	1000 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
<b>Average Current Draw</b>	
@ 115 VAC: Amps	1.0 Amps
@230 VAC: Amps	0.5 Amps
Peak Input Power	300 Watts
Average Input Power @ Max SPM	130 Watts
Approvals	Conforms to ANSI/NSF STD. 50

## 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 lbs.	LEH4	6.2	10.9	-	11.2	-	8.2	9.5	18 lbs.
LE03	5	9.8	-	9.5	-	6.4	8.4	7 lbs.	LEH5	6.2	11.3	-	11.2	-	8.2	9.9	18 lbs.
LE12	5	9.6	-	9.5	-	6.4	8.2	7 lbs.	LEH6	6.2	11.3	-	11.2	-	8.2	9.9	18 lbs.
LE13	5	9.8	-	9.5	-	6.4	8.4	7 lbs.	LEH7	6.1	11.7	-	11.2	-	8.2	10.3	18 lbs.
LE14	5	9.8	-	9.5	-	6.4	8.4	7 lbs.	LEH8*	6.1	-	10.9	-	10.6	8.2	-	23 lbs.
LE33	5.4	10.6	-	11.2	-	7.5	9.2	12 lbs.	LEK2	5.4	10.3	-	10.8	-	7.5	8.9	10 lbs.
LE34	5.4	10.6	-	11.2	-	7.5	9.2	12 lbs.	LEK3	5.4	10.6	-	10.7	-	7.5	9.2	10 lbs.
LE44	5.4	10.6	-	11.2	-	7.5	9.2	12 lbs.	LEK5	5.4	10.9	-	11.7	-	7.5	9.5	15 lbs.
LEF4	5.4	10.6	-	11.7	-	7.5	9.2	15 lbs.	LEK7	6.1	11.7	-	11.2	-	8.2	10.3	18 lbs.
LEG4	5.4	10.6	-	11.7	-	7.5	9.2	15 lbs.	LEJ7	6.1	10.0	-	10.7	-	-	-	18 lbs.

NOTE: Inches X 2.54 = cm \* the LEH8 is designed without a bleed valve available



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An ISO Certified Company

**IBEX**  
EMP022 A22