

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 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
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

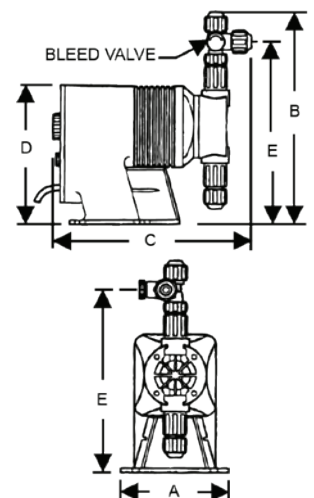
Important: Material Code - GFPPL=Glass-filled Polypropylene, PVC=Polyvinyl Chloride, PE=Polyethylene, PVDF=Polyvinylidene Fluoride, CSPE=Generic formulation of Hypalon, a registered trademark of E.I. DuPont Company. Viton is a registered trademark of E.I. DuPont Company. PVC wetted end recommended for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

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
Average Current Draw	
@ 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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