

## PULSAtron Series E Plus

The PULSAtron Series E Plus offers manual control over stroke length and stroke rate as standard with the option to choose between 4-20mA and external pace inputs for automatic control.

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  $\pm 2\%$  of maximum capacity.

Please refer to the reverse side for Series E PLUS specifications.

### FEATURES

- Automatic Control, available with 4-20mADC direct or external pacing, with stop function.
- Manual Control by on-line adjustable stroke rate and stroke length.
- Auto-Off Manual switch.
- 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)



### CONTROLS

#### Manual Stroke Rate

- Turn-Down Ratio 10:1

#### Manual Stroke Length

- Turn-Down Ratio 10:1

#### 4-20mADC Direct or External Pacing with Stop

- Automatic Control

### BENEFITS

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



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		LPK2	LPB2	LPA2	LPD3	LPB3	LPA3	LPK3	LPF4	LPD4	LPB4	LPH4	LPG4	LPE4	LPK5	LPH5	LPG5	LPH6	LPK7	LPH7	LPJ7	LPH8
Capacity nominal (max.)	GPH	0.13	0.21	0.25	0.5	0.50	0.50	0.60	0.85	0.90	1.00	1.70	1.75	1.85	2.50	3.15	4.00	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	96	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	15.1	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	100	50	35	80	30
	BAR	21	17	10	17	10	7	7	17	10	7	17	10	7	10	10	7	7	3.3	2.4	5.5	2
Connections	Tubing	1/4" ID X 3/8" OD 3/8" ID X 1/2" OD										3/8" ID X 1/2" OD 1/2" ID X 3/4" OD (LPH8 ONLY)										
	Piping	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
<b>Check Valves Materials Available</b>	
Seats/O-Rings	PTFE, CSPE, Viton
Balls	Ceramic, PTFE, 316 SS, Alloy C
Fitting Materials Available	GFPPL, PVC, PVDF
Bleed Valve	Same as fitting and check calce selected
Injection Valve & Foot Valve Assy	Same as fitting and check calce selected
Tubing	Clear PVC, White PE

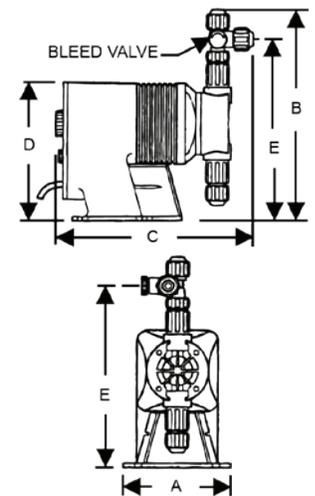
Important: Material Code - GFPPL=Glass-filled Polypropylene, PVC=Polyvinyl Chloride, PE=Polyethylene, PVDF=Polyvinylidene Fluoride, CSPE=Generic formulation of Hypalon, a registered trademark of E.I. DuPont Company. Viton is a registered trademark of E.I. DuPont Company. PVC wetted end recommended for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

Reproducibility	±2% a 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 Plus Dimensions (inches)																	
Model No.	A	B	B1	C	C1	D	E	Shpg Wt	Model No.	A	B	B1	C	C1	D	E	Shpg Wt
LPA2	5.4	10.3	-	10.8	-	7.5	8.9	13 lbs.	LPG5	5.4	10.9	-	11.7	-	7.5	9.5	18 lbs.
LPA3	5.4	10.6	-	10.7	-	7.5	9.2	13 lbs.	LPH4	6.2	10.9	-	11.2	-	8.2	9.5	21 lbs.
LPB2	5.4	10.3	-	10.8	-	7.5	8.9	13 lbs.	LPH5	6.2	11.3	-	11.2	-	8.2	9.9	21 lbs.
LPB3	5.4	10.6	-	10.7	-	7.5	9.2	13 lbs.	LPH6	6.2	11.3	-	11.9	-	8.2	9.9	21 lbs.
LPB4	5.4	10.6	-	10.7	-	7.5	9.2	13 lbs.	LPH7	6.1	11.7	-	11.9	-	8.2	10.3	21 lbs.
LPD3	5.4	10.6	-	11.2	-	7.5	9.2	15 lbs.	LPH8*	6.1	-	10.9	-	11.3	8.2	-	26 lbs.
LPD4	5.4	10.6	-	11.2	-	7.5	9.2	15 lbs.	LPK2	5.4	10.3	-	10.8	-	7.5	8.9	13 lbs.
LPE4	5.4	10.6	-	11.2	-	7.5	9.2	15 lbs.	LPK3	5.4	10.6	-	10.7	-	7.5	9.2	13 lbs.
LPF4	5.4	10.6	-	11.7	-	7.5	9.2	18 lbs.	LPK5	5.4	10.9	-	11.7	-	7.5	9.5	18 lbs.
LPG4	5.4	10.6	-	11.7	-	7.5	9.2	18 lbs.	LPK7	6.1	11.7	-	11.2	-	8.2	10.3	21 lbs.
									LPJ7	6.1	10	-	10.7	-	-	-	21 lbs.

NOTE: Inches x 2.54 = cm /\* the LPH8 is designed without a bleed valve available.



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