

PULSAtron® Series E PLUS

Key Features

- **Automatic Control**, available with 4-20 mA DC direct or external pacing, with stop function.
- **Manual Control** by on-line adjustable stroke rate and stroke length.
- **Agency approved** for demanding **OUTDOOR** and indoor applications.
- **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 re-set.
- **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).



Pressure and Flow Rate Capacity

MODEL	LPK2	LPB2	LPA2	LPD3	LPB3	LPA3	LPK3	LPF4	LPD4	LPB4	LPH4	LPG4	LPE4	LPK5	LPH5	LPH6	LPK7	LPH7	LPH8	
Capacity nominal	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	5.00	8.00	10.00	25.00
	GPD	3	5	6	12	12	12	14	20	22	24	41	42	44	60	76	120	192	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	94.6
Pressure (max.)	PSIG	300	250	150	250	150	100	100	250	150	100	250	150	100	150	150	100	50	35	30
	BAR	21	17	10	17	10	7	7	17	10	7	17	10	7	10	10	7	3.3	2.4	2
Connections:	Tubing	1/4" ID X 3/8" OD 3/8" ID X 1/2" OD 3/16" ID X 5/16" 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							
Reproducibility	+/- 2% 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	125 Strokes Per Minute (SPM) maximum																			
Stroke Frequency	10:1																			
Stroke Length Turn-	10:1																			
Power Input	115 VAC/50-60 HZ/1 ph 230 VAC/50-60 HZ/1 ph																			
Average Current	1.0 Amps @ 115 VAC, 0.5 Amps @ 230 VAC																			
Peak Input Power	300 Watts																			
Average Input Power	130 Watts																			

PULSAtron Series E Plus Selection Guide

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MODELS:	\$ 545	K2	= 0.13 gph / 3 gpd (0.5 lph) max pres.: 300 PSI (21 BAR)
	\$ 545	B2	= 0.21 gph / 5 gpd (0.8 lph) max pres.: 250 PSI (17 BAR)
	\$ 628	D3	= 0.50 gph / 12 gpd (1.9 lph) max pres.: 250 PSI (17 BAR)
	\$ 906	F4	= 0.85 gph / 20 gpd (3.2 lph) max pres.: 250 PSI (17 BAR)
	\$1,209	H4	= 1.70 gph / 41 gpd (6.4 lph) max pres.: 250 PSI (17 BAR)
	\$ 521	A2	= 0.25 gph / 6 gpd (0.9 lph) max pres.: 150 PSI (10 BAR)
	\$ 573	B3	= 0.50 gph / 12 gpd (1.9 lph) max pres.: 150 PSI (10 BAR)
	\$ 670	D4	= 0.90 gph / 22 gpd (3.4 lph) max pres.: 150 PSI (10 BAR)
	\$ 962	G4	= 1.75 gph / 42 gpd (6.6 lph) max pres.: 150 PSI (10 BAR)
	\$ 962	K5	= 2.50 gph / 60 gpd (9.5 lph) max pres.: 150 PSI (10 BAR)
	\$1,236	H5	= 3.15 gph / 76 gpd (11.9 lph) max pres.: 150 PSI (10 BAR)
	\$ 525	A3	= 0.50 gph / 12 gpd (1.9 lph) max pres.: 100 PSI (7 BAR)
	\$ 525	K3	= 0.60 gph / 14 gpd (2.3 lph) max pres.: 100 PSI (7 BAR)
	\$ 582	B4	= 1.00 gph / 24 gpd (3.8 lph) max pres.: 100 PSI (7 BAR)
	\$ 696	E4	= 1.85 gph / 44 gpd (7.0 lph) max pres.: 100 PSI (7 BAR)
	\$ 936	H6	= 5.00 gph / 120 gpd (18.9 lph) max pres.: 100 PSI (7 BAR)
	\$1,035	K7	= 8.00 gph / 192 gpd (30.3 lph) max pres.: 50 PSI (3.3 BAR)
	\$1,061	H7	= 10.0 gph / 240 gpd (37.9 lph) max pres.: 35 PSI (5.6 BAR)
	\$1,569	H8	= 25.0 gph / 600 gpd (94.6 lph) max pres.: 30 PSI (2 BAR)

CONTROLS:	N/C	S	= Manual On/Off
	\$ 237	M	= 4-20mADC Direct, w/ Stop
	\$ 98	E	= External/Remote Pacing, w/ Stop

ELECTRICAL:	N/C	A	= 115 Volt / 50-60Hz
	N/C	1	= 115 Volt / 50-60Hz (without agency approvals)
	\$ 20	B	= 230 Volt / 50-60Hz / 1ph with 6' (1.8m) 3-wire US Plug
	\$ 20	2	= 230 Volt / 50-60Hz (without agency approvals)

LIQUID END MATERIALS:	\$ 12	PTC	= GFPP / TFE / Ceramic
	\$ 12	PTT	= GFPP / TFE / TFE
Pump Head & Fittings/Seats & O-rings/Balls	\$ 62	KTC	= PVDF / TFE / Ceramic (not available on H8)
	N/C	VHC	= PVC / Hypalon / Ceramic (not available on H7, H8, K7)
	\$ 12	VTC	= PVC / TFE / Ceramic (models <= 150 psi excluding H7, H8, K7)
	\$ 12	WTC	= PVC / TFE / Ceramic (models > 150 psi and H7, H8, K7)
	\$ 224	ATS	= 316 S.S. / TFE / 316 S.S. (must use FNPT piping connection) (not available on H8)

See page 6 for additional liquid end materials.

CONNECTION SIZES:	N/C	1	= Tubing .25" I.D. x .38" O.D. / .25" Ball, 0 - 1.88 GPH
	N/C	3	= Tubing .38" I.D. x .50" O.D. / .38" Ball, 1.63 - 10 GPH
	N/C	4	= Piping .25" FNPT / .38" Ball, 1.63 - 10 GPH
	N/C	B	= Tubing .50" I.D. x .75" O.D. / .50" Ball, 20.83 GPH only
		METRIC:	
	N/C	M	= G 1/2 A Threads, .38" Ball, 6.15 - 37.85 LPH
	N/C	R	= G 1/2 A Threads, .25" Ball, 0 - 7.10 LPH
	N/C	Y	= 6 x 12mm, .25" Ball, 0 - 7.10 LPH

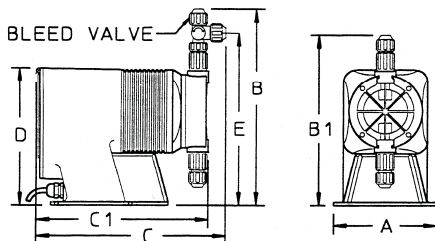
Please Refer to page 7 for additional connection sizes. All pumps with tubing connections come with the following items (except for LMH8, LPH8, LEH8, HV series pumps and pumps >150PSI in PVC): 4' Suction, 4' Return, 8' discharge tubing, footvalve/strainer

SUFFIX CODES:	N/C	XXX	= No Additional Options
	\$ 105	130	= PVDF Tubing
	\$ 66	500	= Five Function Valve
	\$ 152	520	= Five Function Degas Valve
	\$ 180	ITS	= 15 gal. ITS Tank System (ITS Tank not available on LM, LP, LT, and LE: H4, H5, H6, H7, H8, K7 models)
	N/C	CZXXX	= CE Approval (5 digits used for this suffix code)

See pages 9, 10 & 11 for additional information and specs.

A completed model number should look like 'LPB3SA-PTC1-XXX'

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	LPH4	6.2	10.9	-	11.2	-	8.2	9.5	21
LPA3	5.4	10.6	-	10.7	-	7.5	9.2	13	LPH5	6.2	11.3	-	11.2	-	8.2	9.9	21
LPB2	5.4	10.3	-	10.8	-	7.5	8.9	13	LPH6	6.2	11.3	-	11.9	-	8.2	9.9	21
LPB3	5.4	10.6	-	10.7	-	7.5	9.2	13	LPH7	6.1	11.7	-	11.9	-	8.2	10.3	21
LPB4	5.4	10.6	-	10.7	-	7.5	9.2	13	LPH8*	6.1	-	10.9	-	11.3	8.2	-	26
LPD3	5.4	10.6	-	11.2	-	7.5	9.2	15	LPK2	5.4	10.3	-	10.8	-	7.5	8.9	13
LPD4	5.4	10.6	-	11.2	-	7.5	9.2	15	LPK3	5.4	10.6	-	10.7	-	7.5	9.2	13
LPE4	5.4	10.6	-	11.2	-	7.5	9.2	15	LPK5	5.4	10.9	-	11.7	-	7.5	9.5	18
LPF4	5.4	10.6	-	11.7	-	7.5	9.2	18	LPK7	6.1	11.7	-	11.2	-	8.2	10.3	21
LPG4	5.4	10.6	-	11.7	-	7.5	9.2	18									

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