

PULSAtron® Electronic Metering Pumps

Series E Key Features

- Manual Control by on-line adjustable stroke rate and stroke length.
- Agency approved for demanding OUTDOOR and indoor applications.
- Highly Reliable timing circuit.
- Water Resistant excellent for OUTDOOR and indoor applications.
- Internally Dampened To Reduce Noise, very acceptable for household installations.
- Guided Ball Check Valve Systems, to reduce back flow and enhance outstanding priming characteristics.
- Premium Standard Wetted Component Materials.
- Few Moving Parts and Wall Mountable.
- Safe & Easy Priming with durable leak-free bleed valve assembly (standard).



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



PVDF and Degassing Head Pumps. See www.wqa.org for certification parameters.

Engineering Data

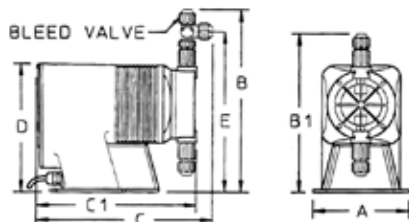
Reproducibility:	+/- 3% at maximum capacity
Viscosity Max CPS :	For viscosity up to 3000 CPS, select connection size 3, 4, B or C with 316SS ball material. Flow rate will determine connection/ball size. Greater than 3000 CPS require spring loaded ball checks. See Selection Guide for proper connection.
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:	
@ 115 VAC; Amps:	1.0 Amps
@ 230 VAC; Amps:	0.5 Amps
Peak Input Power:	300 Watts
Average Input Power @ Max SPM:	130 Watts

Pressure and Flow Rate Capacity

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							

PULSAtron Series E Selection Guide		LE	S			
MODELS:	12 = 0.21 gph / 5 gpd (0.8 lph) max pres.: 250 PSI (17 BAR) 33 = 0.50 gph / 12 gpd (1.9 lph) max pres.: 250 PSI (17 BAR) 02 = 0.25 gph / 6 gpd (0.9 lph) max pres.: 150 PSI (10 BAR) 13 = 0.50 gph / 12 gpd (1.9 lph) max pres.: 150 PSI (10 BAR) 34 = 0.90 gph / 22 gpd (3.4 lph) max pres.: 150 PSI (10 BAR) 03 = 0.50 gph / 12 gpd (1.9 lph) max pres.: 100 PSI (7 BAR) 14 = 1.00 gph / 24 gpd (3.8 lph) max pres.: 100 PSI (7 BAR) 44 = 1.85 gph / 44 gpd (7.0 lph) max pres.: 100 PSI (7 BAR)					
CONTROLS:	S = No Options Available					
ELECTRICAL:	A = 115 Volt / 50-60Hz 1 = 115 Volt / 50-60Hz (without agency approvals) B = 230 Volt / 50-60Hz / 1ph with 6' (1.8m) 3-wire US Plug 2 = 230 Volt / 50-60Hz (without agency approvals)					
LIQUID END MATERIALS: Pump Head & Fittings/Seats & O-rings/Balls	PHC = GFPPL / CSPE / Ceramic PTC = GFPPL / TFE / Ceramic KTC = PVDF / TFE / Ceramic (not available on J7 or H8) VHC = PVC / CSPE / Ceramic (not available on H7, H8, J7, K7) VTC = PVC / TFE / Ceramic (models <= 150 psi excluding H7, H8, J7, K7) WTC = PVC / TFE / Ceramic (models > 150 psi and H7, H8, J7, K7) ATS = 316 S.S. / TFE / 316 S.S. (must use FNPT piping connection) (not available on J7 or H8)					
See page 6 for additional liquid end materials.						
CONNECTION SIZES:	1 = Tubing .25" I.D. x .38" O.D. / .25" Ball, 0 - 1.88 GPH 3 = Tubing .38" I.D. x .50" O.D. / .38" Ball, 1.63 - 10 GPH					
Please Refer to page 7 for additional connection sizes. All pumps with tubing connections come with the following items (except for LMH8, LPH8, HV SAeries pumps): 4' Suction, 4' Return, 8' discharge tubing, footvalve/strainer assy., injection valve and bleed valve.						
SUFFIX CODES:	XXX = No Additional Options 130 = PVDF Tubing 500 = Five Function Valve 520 = Five Function Degas Valve ITS = 15 gal. ITS Tank System (ITS Tank not available on LM, LP, LT, and LE: H4, H5, H6, H7, H8, J7, K7 models) CZ XXX = CE Approval (CZXXX=Europe; CZUKXXX=UK; CZSUIXXX=Switzerland/Liechtenstein)					
See pages 8 & 9 for additional information and specs.						
A completed model number should look like 'LE33SA-PTC1-XXX'						

Dimensions



Series E Dimensions (inches)								
Model No.	A	B	B1	C	C1	D	E	Shipping Weight
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