

PULSAtron Series E-DC

The Pulsatron Series E-DC 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 and powered by 12 Volt DC.

Four distinct models are available, having pressure capabilities to 150 PSIG (10 BAR) @ 6 GPD (0.25 lph), and flow capacities to 44 GPD (7.0 lph) @ 100 PSIG (7 BAR), with a turndown ratio of 100:1. Metering performance is reproducible to within \pm 3% of maximum capacity.

FEATURES

- Powered by 12 Volt DC.
- Manual Control by on-line adjustable stroke rate and stroke length.
- Highly Reliable timing circuit.
- Water Resistant, for outdoor and indoor applications.
- Internally Dampened To Reduce Noise.
- Guided Ball Check Valve Systems, to reduce back flow and enhance outstanding priming characteristics.
- Few Moving Parts and Wall Mountable.
- 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.



SPECIFICATIONS

MODEL		LS02	LS13	LS14	LS44
Capacity nominal (max.)	GPH	0.25	0.50	1.00	1.85
	GPD	6	12	24	44
	LPH	0.9	1.9	3.8	7.0
Pressure (max.)	PSIG	150	150	100	100
	BAR	10	10	7	7
	Connections:		1/4" ID X 3/8" OD 3/8" ID X 1/2" OD		
Tubing			1/4" FNPT		
	Piping				

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	
LS02, 13	300 CPS
LS14, 44	1000 CPS
Stroke Frequency Max SPM	125
Stroke Frequency Turn-Down Ratio	10:1
Stroke Length Turn-Down Ratio	10:1
Power Input	12.6 VDC Nominal Range 11.8-14.0 VDC
Average Current Draw	
LS02, 13, 14 Amps	4.0 Amps
LS44 Amps	8.0 Amps
Peak Input Power	
LS02, 13, 14 Amps Power	138.6 Watts
LS44 Amps Power	189 Watts
Average Input Power @ Max SPM	
LS02, 13, 14 Amps Power	50.4 Watts
LS44 Amps Power	100.8 Watts

DIMENSIONS

Series E-DC Dimensions (inches)						
Model No.	A	B	C	D	E	Shipping Weight
LS02	5.0	9.6	9.6	6.5	8.2	10 lbs.
LS13	5.0	9.9	9.5	6.5	8.5	10 lbs.
LS14	5.0	9.9	9.5	6.5	8.5	10 lbs.
LS44	5.0	10.6	11.4	7.5	9.2	15 lbs.

NOTE: Inches X 2.54 = cm

