PULSAFEEDER®

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 ± 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).

Controls

Manual Stroke Rate

- Turn-Down Ratio 10:1

Manual Stroke Length

- Turn-Down Ratio 10:1

Operating Benefits

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

Aftermarket

- KOPkits
- Gauges
- Dampeners
- Pressure Relief Valves
- Tanks
- Pre-Engineered Systems
- Process Controllers (MicroVision)

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

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

PULSAtron® Series E-DC Electronic Metering Pumps

PULSAtron® Series E-DC

Specifications and Model Selection

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

Engineering Data

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

Custom Engineered Designs – Pre-Engineered Systems

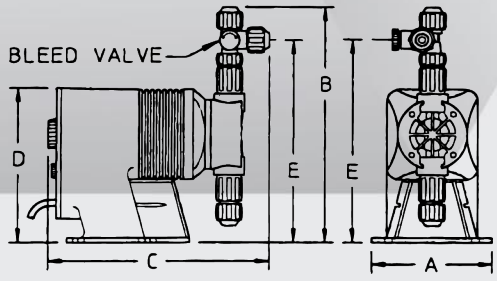
Pre-Engineered Systems

Pulsafeeder's Pre-Engineered Systems are designed to provide complete chemical feed solutions for all electronic metering applications. From stand alone simplex pH control applications to full-featured, redundant sodium hypochlorite disinfection metering, these rugged fabricated assemblies offer turn-key simplicity and industrial-grade durability. The UV-stabilized, high-grade HDPE frame offers maximum chemical compatibility and structural rigidity. Each system is factory assembled and hydrostatically tested prior to shipment.

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
LS13	5.0	9.9	9.5	6.5	8.5	10
LS14	5.0	9.9	9.5	6.5	8.5	10
LS44	5.0	10.6	11.4	7.5	9.2	15

NOTE: Inches X 2.54 = cm



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An ISO 9001 Certified Company

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