PULSAtron® Series C

Electronic Metering Pumps

PULSAFEEDER®
A Unit of IDEX Corporation

Key Features

- ***Automatic Control*** by external pacing with prime switch (optional).
- ***Manual Control*** by on-line adjustable stroke length (fixed stroke rate).
- ***Liquid Low Level Option*** available to prevent loss of prime.
- ***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).

Complete Economical Selection

Four distinct models are available, having pressure capabilities to 80 PSIG, and flow capacities to 30 GPD, with a turndown ratio of 10:1. Metering performance is reproducible to within ± 3% of maximum capacity.

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

Operating Benefits

Reliable metering performance. Our guided check valves, with their state-of-the-art seat and ball designs, provide precise seating, and excellent priming and suction lift characteristics. Our timing circuit is highly reliable and, by design, virtually unaffected by temperature, EMI and other electrical disturbances.

Rated "hot" for continuous duty. Series C pumps continue to meet their specifications for pressure and capacity even during extended use. That's because of our high quality solenoid and special enclosure that effectively dissipates heat.

High viscosity capability. A straight flow path and ample clearance between the diaphragm and head enable standard PULSAtron pumps to handle viscous chemicals up to a viscosity of 1000 CPS.

Leak-free, sealless, liquid end. Our diaphragms are of superior construction—teflon-faced, bonded to a composite of Hypalon and fabric layers, and reinforced with a metal insert for optimum flexibility and durability.

For additional information about PULSAtron's full-featured Series MP & Series E PLUS, refer to Technical Sheet No. EMP-027 & EMP-021, about the mid-range Series E, Series D & Series A PLUS refer to Technical Sheet No. EMP-022, EMP-023 & EMP-025. For information about the economical Series C PLUS refer to Technical Sheet No. EMP-026 & EMP-024.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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System Compatibility

A wide variety of chemicals can be pumped. Liquid end materials include glass-filled polypropylene (GFPPL), PVC, styrene-acrylonitrile (SAN), Polyvinylidene Fluoride (PVDF), Teflon, Hypalon, Viton, ceramic, alloys and 316SS.

Immediate installation and start-up. Included as standard accessories with all models are an injection/back pressure valve assembly and a foot valve/strainer assembly*, including discharge and suction tubing.

Safe and easy priming and valve maintenance. Included as a standard accessory is a bleed valve assembly, including return tubing (available only on those models with tubing connections).

Quick and economical liquid end maintenance. Available for every model is a unique KOPkit®, a convenient, economically priced, package containing new cartridge check valves and other important spare parts.



technology innovation diversity excellence

PULSAtron Series C Specifications

Series C - Four model selections. Digit 1 and 2 (LC) signify product class, digit 3 and 4 signify pressure flow. For full model selection information refer to Price Schedule EMP-PS LP.

Pressure and Flow Rate Capacity

Capacity, nominal	GPD	6	12	22	30
	GPH	0.25	0.50	0.91	1.25
	LPH	0.95	1.89	3.47	4.73
Pressure, max PSIG/Bar					
805.6		LC02	LC03	LC04	LC54

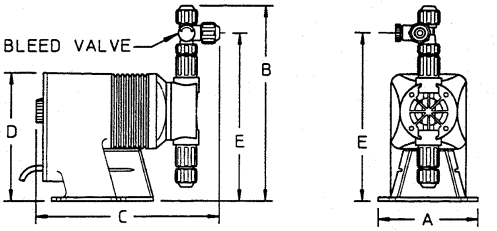
Connections: Tubing	1/4" ID X 3/8" OD 3/8" ID X 1/2" OD 3/16" ID X 5/16" OD
Piping	1/4" FNPT
Reproducibility at max. capacity	+/- 3%
Viscosity Max CPS	1000
Stroke Frequency Max SPM	125
Stroke Length Turn-Down Ratio	5:1
Power Input	115 VAC/50-60 HZ/1 ph 230 VAC/50-60 HZ/1 ph
Average Current Draw @ 115 VAC: Amps @ 230 VAC: Amps	 0.6 0.3
Peak Input Power Watts	130
Average Input Power @ max SPM: Watts	50

Liquid End Materials

Series	Pump Head	Diaphragm	Check Valves		Fittings	Bleed Valve	Injection Valve Assembly Foot Valve Assembly	Tubing
			Seats/O-Rings	Balls				
C	GFPPL PVC SAN PVDF 316 SS	Teflon-faced Hypalon-backed	Teflon, Hypalon, Viton	Ceramic, Teflon, 316SS, Alloy C	GFPPL PVC PVDF	Same as fitting and check valve selected, except 316SS	Same as fitting and check valve selected	Clear PVC White PE

Important: Material Code— GFPPL = Glass-filled Polypropylene, PVC = Polyvinyl Chloride, SAN = Styrene-Acrylonitrile, PE = Polyethylene, PVDF = Polyvinylidene Fluoride. Teflon, Hypalon and Viton are registered trademarks of E.I. DuPont Company. PVC wetted end recommended for sodium hypochlorite.

Dimensions



Series C Dimensions (inches)						
Model No.	A	B	C	D	E	**Shipping Weight (lbs.)**
LC02	5.0	9.6	9.5	6.5	8.2	10
LC03	5.0	9.9	9.5	6.5	8.5	10
LC04	5.0	9.9	9.5	6.5	8.5	10
LC54	5.0	9.9	9.5	6.5	8.5	10

Note: Inches x 2.54=cm

KOPkit®

Available for every model, the KOPkit provides an economically priced package of parts required for routine maintenance. The kit typically contains new valve cartridges with o-rings, head, diaphragm, secondary o-ring seal, head screws and washers.



For further KOPkit information, refer to Technical Sheet No. EMP-002.

An ISO Certified Company

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