

## PULSAtron Series C

The Pulsatron Series C offers manual online stroke length adjustment with fixed stroke rate. Optional control features include external pace a choice between momentary on/off switch for priming the pump or a toggle on/off switch for manual override of all control functions.

Four distinct models are available, having pressure capabilities of 80 PSIG (5.6 BAR), and flow capacities up to 30 GPD (4.7 lph), with a turndown ratio of 10:1. Metering performance is reproducible to within  $\pm 3\%$  of maximum capacity.

### FEATURES

- Manual Control by on-line adjustable stroke length (fixed stroke rate).
- Liquid Low Level Option available to prevent loss of prime.
- Highly Reliable timing circuit.
- Circuit Protection against voltage and current upsets.
- Panel Mounted Fuse.
- Solenoid Protection by thermal overload with auto-reset.
- 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 Length

- Turn-Down Ratio 10:1

#### External Pacing Option

- Auto/Manual Selection or Prime Button



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



PVDF & PVC Degass Head Pumps.  
See [www.wqa.org](http://www.wqa.org) for certification parameters.

# SPECIFICATIONS

MODEL		LC02	LC03	LC04	LC54
Capacity nominal (max)	GPH	0.25	0.50	1.00	1.25
	GPD	6	12	24	30
	LPH	0.9	1.9	3.8	4.7
Pressure (max)	PSIG	80	80	80	80
	BAR	5.6	5.6	5.6	5.6
Connections:	Tubing	1/4" ID X 3/8" OD			
	Piping	3/8" ID X 1/2" OD 1/4" FNPT			

# ENGINEERING DATA

Pump Head Materials Available	GFPPL, PVC, PVDF, 316 SS
Diaphragm	PTFE-faced CSPE-backed
<b>Check Valves Materials Available</b>	
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

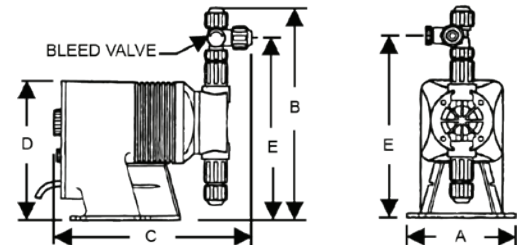
Important: Material Code - GFPPL=Glass-filled Polypropylene, PVC=Polyvinyl Chloride, PE=Polyethylene, PVDF=Polyvinylidene Fluoride, CSPE=Generic formulation of Hypalon, a registered trademark of E.I. DuPont Company. Viton is a registered trademark of E.I. DuPont Company. PVC wetted end recommended for sodium hypochlorite.

Reproducibility	±3% at maximum capacity
Viscosity Max CPS	1000 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 Length Turn-Down Ratio	10:1
Power Input	115 VAC / 50-60 HZ / 1 ph 230 VAC / 50-60 HZ / 1 ph
<b>Average Current Draw</b>	
@ 115 VAC: Amps	0.6 Amps
@230 VAC: Amps	0.3 Amps
Peak Input Power	130 Watts
Average Input Power @ Max SPM	50 Watts
Approvals	Conforms to ANSI/NSF STD. 50

# DIMENSIONS

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

NOTE: Inches X 2.54 = cm



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