

# PULSAtron® Degassing Pump

## Electronic Metering Pumps



### Key Features

- **Unique Degas Valve System** is an excellent choice for metering sodium hypochlorite, hydrogen peroxide and other off-gassing chemicals.
- **Manual Control** by on-line adjustable stroke rate and stroke length (LD models) or online adjustable stroke length with fixed stroke rate (LC models).
- **Agency approved** for demanding **OUTDOOR** and indoor applications.
- **Highly Reliable** timing circuit.
- **Internally Dampened To Reduce Noise**, very acceptable for household installations.
- **Guided Ball Check Valve Systems**, to reduce back flow and enhance outstanding priming characteristics.
- **Few Moving Parts** and **Wall Mountable**.
- **Optional Control:** External pace with auto/manual selection.

### Complete Economical Selection

Eight distinct models are available, having pressure capabilities to 80 PSIG, and flow capacities to 30 GPD. Four models (LD) have a turndown ratio of 100:1, while the other four models (LC) have a turndown ratio of 10:1. Metering performance is reproducible to within  $\pm 3\%$  of maximum capacity.

Please refer to the reverse side for specifications.

### Operating Benefits

**Unique degassing capability.** The unique degas valve system is designed to allow air to be vented from the pump head while minimizing the return fluid volume. This allows the pump to be totally self-priming which eliminates the need for a bleed valve. The degassing head also prevents the pump from losing its prime due to gas build up, especially in applications where the pump is run intermittently with long off times between runs.

**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.** Degassing 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.

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 & Series C PLUS, refer to Technical Sheet No. EMP-024 & EMP-026.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

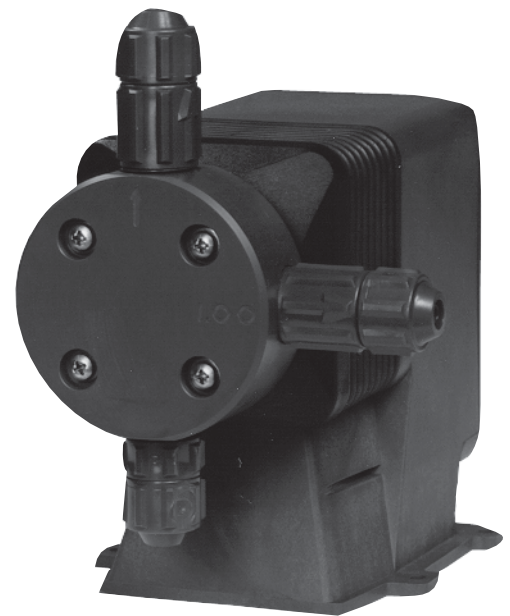
**Leak-free, sealless, liquid end.** Our diaphragms are of superior construction—teflon-faced, bonded to a composite of Hypalon and fabric layers, and reinforced with a metal insert for optimum flexibility and durability.

#### 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, suction and return tubing.

#### 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.



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# PULSAtron Degassing Pump Specifications

Four model selections. Digit 1 and 2 (LD & 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	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/Bar					
80/5.6		LD02 LC02	LD03 LC03	LD04 LC04	LD54 LC54

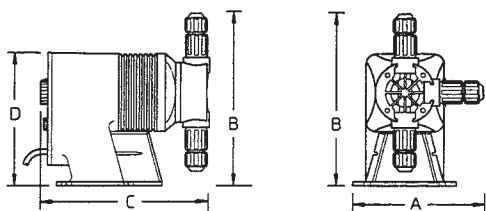
Connections: Tubing	1/4" ID X 3/8" OD (D) 3/16" ID X 5/16" OD (S)
Reproducibility at max. capacity	+/- 3%
Viscosity Max CPS	100
Stroke Frequency Max SPM	125
Stroke Frequency Turn-Down Ratio	10:1 (LD models only)
Stroke Length Turn-Down Ratio	10:1
Power Input	115 VAC/50-60 HZ/1 ph 230 VAC/50-60 HZ/1 ph
Average Current Draw @ 115 VAC: Amps @ 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	Injection Valve Assembly Foot Valve Assembly	Tubing
			Seats/O-Rings	Balls			
Degas	PVC	TFE-faced Hypalon-backed	Hypalon, Viton	Ceramic	PVC	Same as fitting and check valve selected	Clear PVC White PE

**Important:** Material Code— PVC = Polyvinyl Chloride, Hypalon and Viton are registered trademarks of E.I. DuPont Company. PVC wetted end recommended for sodium hypochlorite.

## Dimensions



Degassing Pump Dimensions (inches)					
Model No.	A	B	C	D	Shipping Weight (lbs.)
02	6.2	9.6	8.5	6.5	10
03	6.2	9.9	8.5	6.5	10
04	6.2	9.9	8.5	6.5	10
54	6.2	9.9	8.5	6.5	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. KK-001.



An ISO Certified Company



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### Standard Product Operations

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