

General Description

This solenoid driven diaphragm metering pump, MAGDOS LC, is the inexpensive alternative for simple, continuous metering tasks. MAGDOS LC is particularly suited to the water treatment and process industry.

The metering pump is equipped with a solenoid drive that operates with 120 strokes per minute at fixed pace. The MAGDOS LC is activated by connecting the power supply. Tubing connections are integrated into the check valves.

The metering pump is available in three performance ranges. The capacity is infinitely adjustable from 20 to 100% via stroke length.

Metering pump, tubing, injection nozzle, and foot valve are available as complete kits.

The MAGDOS LC is available with the following features:

- Capacity range from 0.53 to 1.56 gph with pressures up to 145 psig.
- Manual stroke length adjustment with a 5:1 turndown ratio.
- Connections are integrated with check valves.
- Double ball check valves guarantee the highest accuracy and reliable feeding for viscosities up to 400 cps. Spring-loaded check valves are available for process fluids with viscosities up to 1,000 cps.
- Applicable at ambient temperatures of up to 113°F (45°C).
- Electrical data: 115 VAC, 50/60 Hz, NEMA 4X/IP65 (optional: 230 VAC, 24 VDC)

Materials of Construction

Standard liquid end in PVC with option in PP. Diaphragms are PTFE-coated EPDM. Seals of Viton®, or EPDM are available.

Options

- Vented Head
- Diaphragm Leak Detection
- Tubing Accessory Kit (includes a foot valve, tubing and injection nozzle)
- Mounting brackets

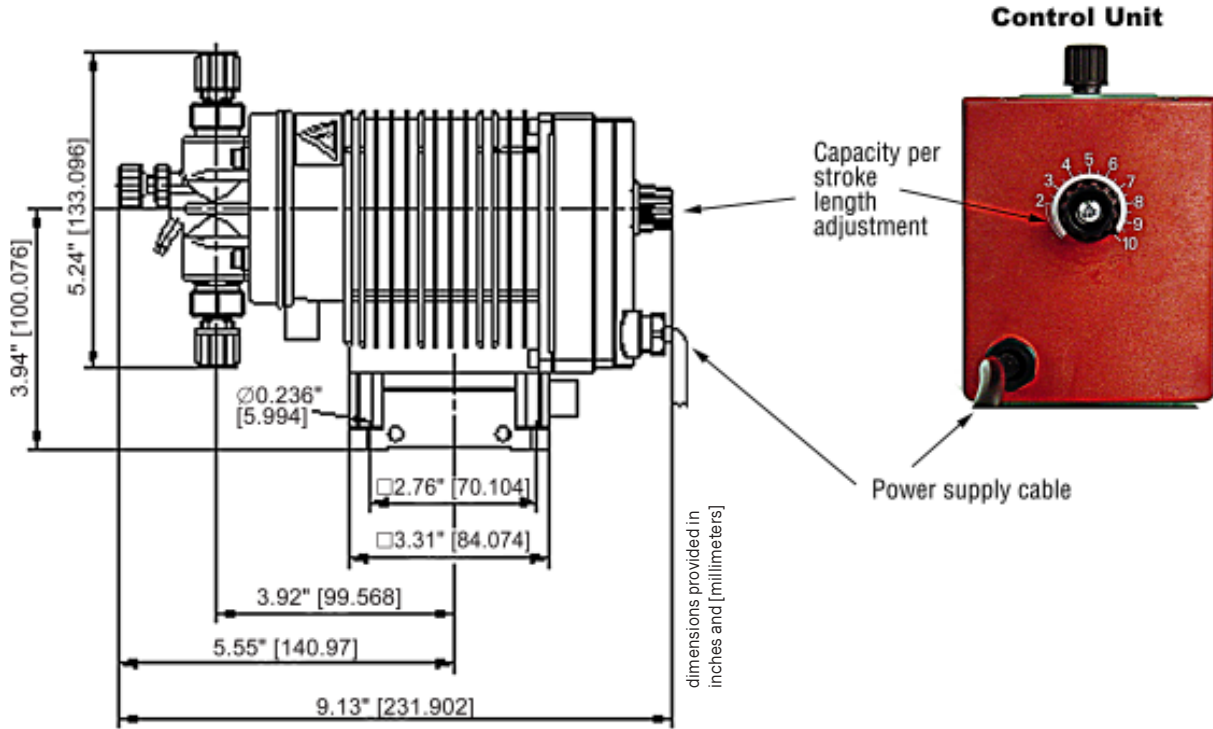


Applications

Metering pumps of the MAGDOS LC series can be widely used in such applications as:

- Water and wastewater treatment
- Food & Beverage
- Greenhouse
- Car washes
- Pulp & Paper
- Paints & Dyes
- Pharmaceutical
- Power & Energy

	Model	Connection Type
standard	2	1/4" x 3/8" tubing
	4	
	6	
optional	all	upon request



Technical Data

Model		2	4	6
Capacity @ maximum pressure	gph	0.53	1.03	1.51
Maximum pressure	psig	145	116	73
Capacity @ medium pressure	gph	0.58	1.08	1.56
Medium pressure	psig	87	58	44
Maximum stroke frequency	SPM	120		
Suction lift (for non-effervescent media)	ft. H ₂ O	10		
Maximum positive static suction head	ft. H ₂ O	26.2		
Voltage	VAC	115 +/- 10%		
Length power cord	ft.	6 (115 VAC w/UL/CSA Plug)		
Power consumption	watts	20 (115 VAC)		
Maximum current consumption during stroke	amps	115 VAC: 3.8 A		
Soldered fuse	amps	115 VAC 3.15 A slow reacting		
Protection class		NEMA 4X / IP65		
Insulation class		F		
Maximum ambient temperature	°F	PVC: 104 (optional: PP: 113)		
Maximum temperature of process fluid	°F	PVC: 95 (optional: PP: 104)		
Pump weight	lbs.	4.4		
Maximum sound pressure level without pressure	dB(A)	58		
Maximum sound pressure level at test pressure	dB(A)	60		
Connection type		1/4" x 3/8" tubing		