

MAGDOS LC

This solenoid driven diaphragm metering pump, the MAGDOS LC, is the inexpensive alternative for simple, continuous metering tasks. The 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 a 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 two performance ranges, 12 GPD and 24 GPD. 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 is available with the following features:

- Capacity range of 12 and 24 gpd 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
- Vented head
- UL / CSA Listed



APPLICATIONS

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

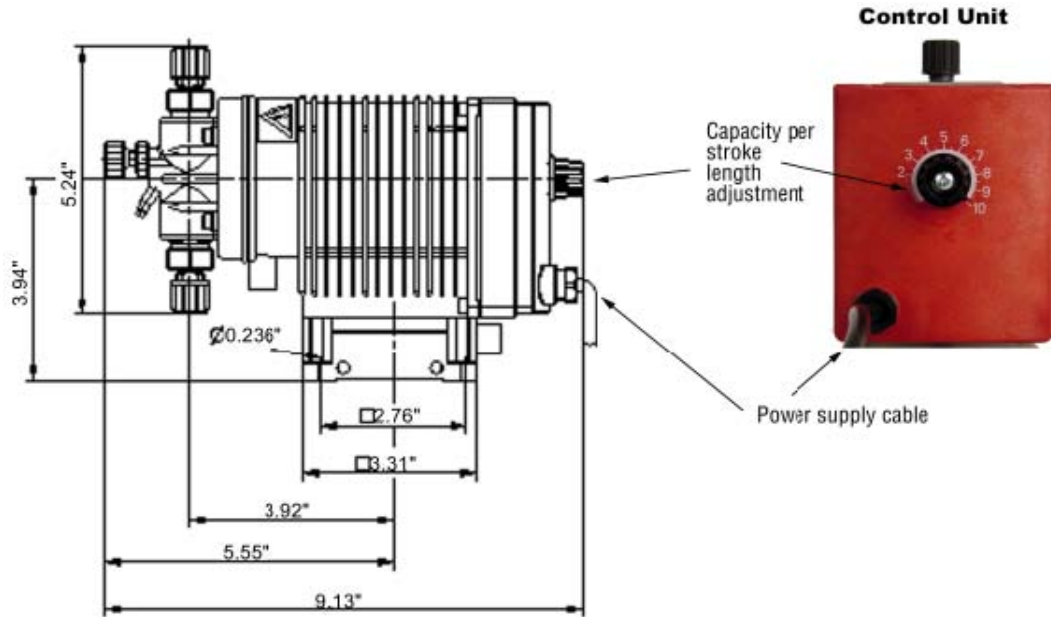
- Water and wastewater treatment
- Food and Beverage
- Greenhouse
- Carwashes
- Pulp and Paper
- Paints and Dyes
- Pharmaceutical
- Power and Energy

MATERIALS OF CONSTRUCTION

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

CONNECTION TYPE

Tubing connections are 1/4" x 3/8" tubing.



Technical Data

| | | 12 GPD | 24 GPD |
|--|----------------------|---------------------------|-------------|
| Capacity | gph | 0.53 | 1.03 |
| Maximum Pressure | psig | 145 | 116 |
| Capacity @ Medium Pressure | gph | 0.58 | 1.08 |
| Medium Pressure | psig | 87 | 58 |
| Maximum Stroke Frequency | SPM | 120 | |
| Suction Lift (Non-Effervescent Media) | ft. H ₂ O | 10 | |
| Maximum Positive Static Suction Head | ft. H ₂ O | 26.2 | |
| Voltage | VAC | 115 +/- 10% | |
| Power Consumption | watts | 20 (115VAC) | |
| Length of Power Cord | ft. | 6 | |
| Protection Class | | NEMA 4X / IP65 | |
| Insulation Class | | F | |
| Maximum Ambient Temperature | °F | 113°F | |
| Maximum Temperature of Media | °F | PVC:95 (PP:104) | |
| Pump Weight | Lbs. | 4.4 | |
| Maximum Sound Pressure Level w/o Pressure | dB(A) | 58 | |
| Maximum Sound Pressure Level at Test Pressure | dB(A) | 60 | |
| Connection Type | | 1/4" x 3/8" tubing | |
| Listing | | UL / CSA | |