

MAGDOS LT

The MAGDOS LT line of solenoid driven metering pumps combines state-of-the-art micro-processor technology with the durability of high quality mechanics. Chemical resistant materials make the pump suitable for many water treatment and process applications. A micro-processor based control unit allows for flexible adaptation to changing pressure environments, allowing the pump to operate in a continually optimum power range. By optimizing the power consumption, excess heat generated by the solenoid is reduced, letting the pump operate economically and reliably.

The MAGDOS LT is available with the following features:

- Capacity range of 12 and 24 gpd with pressures up to 232 psig.
- Manual stroke length adjustment with a 5:1 turndown ratio.
- Manual speed control to set the pump at 25%, 50%, and 100% of its maximum stroke frequency.
- External speed control for proportional feeding that provides one stroke per switch closure by contact (i.e. water meter or PLC).
- Simple one push button operation mode selection.
- LED operation mode indicators.
- Selectable energy supply to stroke solenoid resulting in lower energy consumption and reduction in operation noise.
- 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.



- Level control indicates low chemical, allowing the pump to stop operation before losing prime.
- 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

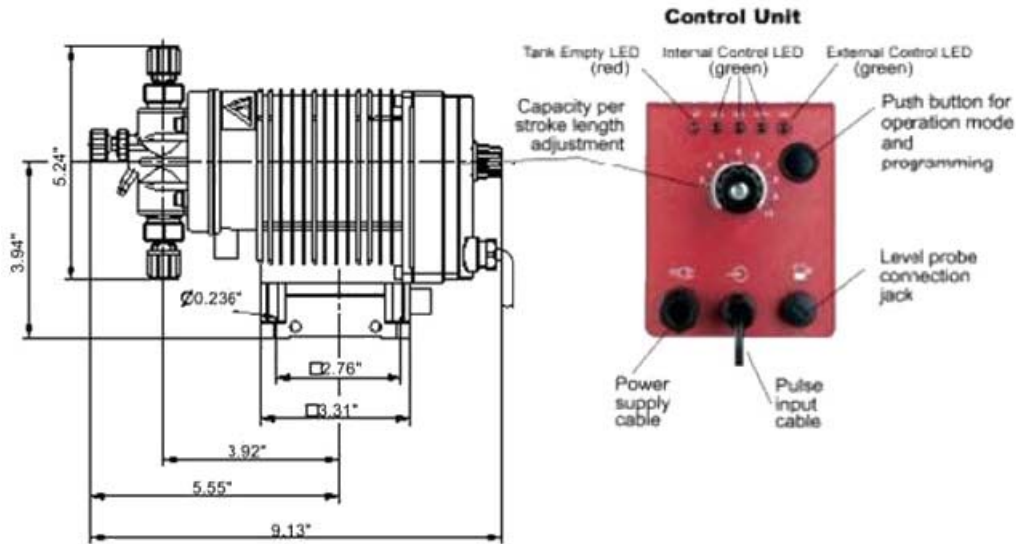
MATERIALS OF CONSTRUCTION

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

CONTROL UNIT

The control unit contains a micro-processor, which controls the stroke frequency and pressure generation. The control unit features the functions below:

Internal Operation Control (% of maximum stroke frequency) 25/50/100%
External Operation Control by Pulse
Energy Adjustment
Low Level Indication of Supply Tank



Technical Data

		12 GPD	24 GPD
Capacity	gph	0.42	0.87
Maximum Pressure	psig	232	174
Capacity @ Medium Pressure	gph	0.74	0.98
Medium Pressure	psig	116	87
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	30 (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.	6.0	
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" PE tubing	
Listing		UL / CSA	