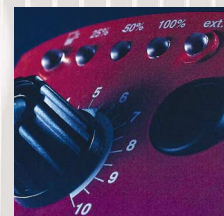




MAGDOS LT

Economical and precise



Dosing | Liquids
Conveying | Gases
Control | Solids

MAGDOS LT

Economical and precise

A measured step forward

Here is what you can count on in future:

The new solenoid-driven diaphragm dosing pumps MAGDOS LT work economically, reliably and flexibly – at ambient temperatures of up to 113 °F (45 °C). A brand new microprocessor-controlled electronic unit guarantees optimum energy consumption and flexible pressure adjustment. Double-ball valves ensure highest accuracy even at smallest flow rates. MAGDOS LT pumps are fitted with a powerful stroke solenoid, the flow rate per stroke can be adjusted without steps. MAGDOS LT pumps have a distinct design and are absolutely easy to maintain. A good return on your investment.

The pump suited to its task

MAGDOS LT solenoid-driven dosing pumps are especially suitable for water treatment and the process industry. The hermetically sealed pumps can be used universally due to the reliable PVC material and a PTFE diaphragm. Changing requirements is not a challenge, the new MAGDOS LT pumps allow an adjusting ratio of 1 : 20, thus enabling you to carry out your process corrections with a turn of the wrist.

In short

- Capacity range 0.05 to 1.585 gph @ 232 to 87 psig [0.2 to 6 l/h, at up to 16 bar]
- Suitable for toxic and aggressive media
- Usable at ambient temperatures of up to 113 °F/45 °C
- Adjusting ratio 1 : 20
- Internal operation and control by pulses
- Double-ball valves for highest accuracy
- Intelligent control
- Convenient single-button operation

LEDs for a clear display of operation mode

Stroke length adjuster

Power connection

Pulse input

Level control input

Capacities	0.05 to 1.585 gph @ 232 to 87 psig [0.2 to 6 liter per hour (16 to 6 bar)] in 6 performance steps/pump sizes. With linear performance curve.
Operation – Internal Control	A stroke frequency of 25%, 50%, and 100% allows for easy adaptation to the process.
Operation – External Control	Is realized by impulses. The capacity will be adapted by a continuously adjustable stroke length adjustment.
Level Control	The pump signals low chemical and will stop before it loses its priming.
Electrical Data	120/240 VAC, 50/60 Hz, 30 W, NEMA 4X (IP 65)
Simplest Operation	Operation of pump with only one key and clear feedback of its operation mode per LED.
Performance Adaptation and Optimization of Energy	Latest microprocessor technology provides power to the pump's drive depending on the system's pressure requirements. Thus reducing the pump's noise level, power consumption and heat generation.
Higher Temperature	Due to the energy optimization (energy management), the MAGDOS LT can be applied at ambient temperatures of up to 113 °F/45 °C (with PVC head up to 104 °F/40 °C).
Diaphragm	The MAGDOS LT requires only one size PTFE-diaphragm for all pump sizes. This reduces the stocking of spare parts.
Universal Materials	The standard pump is equipped with a PVC head. This makes the MAGDOS LT applicable for 99% of all applications. Optional are PP and PVDF (Kynar).
Check Valves	Double Ball Check Valves for highest accuracy and reliable dosing. Spring-loaded Check Valves for process fluids with higher viscosities.