

Product Guide

JLM Manually Controlled Metering Pump

JLM series solenoid diaphragm metering pump is effective and reliable digital pump for nearly all chemical dosing applications.

The solenoid shaft is pulled in by the magnetic coil and pushed back by the spring, which makes the diaphragm in the dosing head create both suction and discharge. The check valves which with double balls prevent backflow when pumping, the precise dosing can be controlled by the stroke length and stroke speed.

The capacity range is from 1.0l/h to 20l/h at a backpressure from 10 bars to 1bar. All most any chemical with low viscosity can be dosed with JLM solenoid diaphragm metering pump. It is an economical metering pump widely used in dosing applications.

Applications

Potable water treatment - Metering of disinfectants.
Cooling circuits - Metering of corrosion inhibitors and biocides.
Wastewater treatment - Metering of flocculants.
Paper industry - Metering of additives.
Plastics production - Metering of additives.

Features

Manual flow control by both stroke length and stroke speed
Wear-free solenoid driving with no bearing.
Compact modular design (liquid end, drive and electronic board are modular, easy for replacement).
Intelligent display the stroke speed in percentage.
Check valve assemblies are with two balls and are designed for easy maintenance.
Accessories are included - hose, injection valve, foot valve, ceramic weight.

>> Technical details are on the next page.



Ferti-Ject Dosing Systems
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JLM Technical Information

Pump Performance Data

If you cannot find your required duty below, its easy to group pumps together to reach higher flows, simply select the correct operating pressure and build your system up to reach the required flow.

Ferti-Ject can assemble multi-pump systems in a ready to install format on request.

JLM Pump Performance Data								
Model	Flow (LPH)	Pressure (BAR)	Flow (GPH)	Pressure (PSI)	Stroke per Minute	Diaphragm (mm)	Power (W)	Connection
JLM-0110	1	10.00	0.26	145	80	34	30	5/8mm PE Hose
JLM-0408	3.8	7.60	1.00	110	180			
JLM-0505	5	5.00	1.32	73	140	41		
JLM-0804	7.6	3.50	2.01	51	170			
JLM-1002	10	2.00	2.64	29	130	52		
JLM-1202	12	1.50	3.17	22	150			
JLM-1501	15	1.00	3.96	15	160			

Pump Construction

Ferti-Ject can supply your dosing pump in a range of construction materials and power supply options for your specific application.

Construction Materials					Connection	Power Usage	Power input
Pump Model	A	B	C	D	All Models		
Diaphragm	PTFE				5/8mm PE Hose	30W	110 or 220 V A.C, 50/60Hz
Valve Body	PVC	PVDF	SS304	SS316			
Valve Ball	Ceramic						
Valve Seat	PVC	PVDF	SS304	SS316			
O Ring	Viton		PTFE				

JLM Series pumps are manufactured to Ferti-Jects specification and are fully quality assured and tested before being dispatched to you.



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