

# Product Guide

## JLM-S Signal Controlled Metering Pump

JLM-S series solenoid diaphragm metering pump is digital pump with an advanced microprocessor controller. The easy-to-read LED screen displays the instant flow rate and the accumulated flow.

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 precise dosing can be controlled by the stroke speed both manually and automatically. The capacity range is from 1.0l/h to 20l/h at a back pressure from 10 bars to 1bar.

### 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

Flow can be manually or automatically controlled by stroke speed.

Automatic analogue input control - 4-20mA signal.

Automatic pulse input control - pulse input with multiply and divide capability.

RS485 communication interface - single pump or a multiple pumps connected to and controlled by computer.

External remote control for start/stop - pump can be connected to level indicator to automatically start/stop the pump.

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.



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## JLM-S Technical Information

### Pump Performance Data

If you cannot find your required duty below, it's 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-S Pump Performance Data								
Model	Flow (LPH)	Pressure (BAR)	Flow (GPH)	Pressure (PSI)	Stroke per Minute	Diaphragm (mm)	Power (W)	Connection
JLM-S0110	1	10.00	0.26	145	80	34	30	5/8mm PE Hose
JLM-S0408	3.8	7.60	1.00	110	180			
JLM-S0607	6.3	6.80	1.66	99	140	41		
JLM-S0805	8	5.00	2.11	73	170			
JLM-S1204	12	4.00	3.17	58	150	52		
JLM-S1502	15	2.50	3.96	36	160			
JLM-S2001	20	1.00	5.28	15	180			

### Pump Construction

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

Pump Model	Construction Materials				Connection	Power Usage	Power input
	A	B	C	D			
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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