

Grundfos DMM Metering Pump

Higher output, proven reliability

Grundfos DMM metering pumps are mechanical diaphragm pumps with a proven track record of reliability in a variety of applications.

Designed for higher output

The DMM complements our DME and DMS models with its higher output range: up to 314 gph [1188 l/h] and up to 145 psi [10 bar]. Two versions, the DMM-AR and the DMM-B, plus our lineup of pump accessories, can fill your needs for higher capacity dosing.

DMM-AR features

The DMM-AR pump is equipped with:

- **electronic motor control unit**
- **clear operating panel and display**

The DMM-AR allows for either automated or manual control of the stroke frequency while manually setting the stroke length.

DMM-B features

The DMM-B allows for varying the output by a manual adjustment of the stroke length.

Designed for reliability

The DMM pumps combine an external, fan-cooled motor, a single-stage worm gear and an optional operation control unit for control and flexibility. A long-life, PTFE-coated diaphragm and safe, reliable discharge and suction ball valves meet the highest standards in metering. Spring valves can be fitted for high viscosity liquids (up to 3000 cps).

The pump head is designed for maximum corrosion resistance. A separation chamber behind the diaphragm insulates the pump unit from flooding in the unlikely event of a diaphragm failure. The wet end itself is available in stainless steel or polypropylene.



Operating Modes

Manual Control

Stroke length and stroke frequency (DMM-AR only) can be regulated manually to give the required dosage.

External Pulse Control

Pulse signals sent from external sensors and meters regulate stroke frequency. The number of strokes per pulse can be adjusted from 64:1 to 1:1.

Analog Control

An external analog signal (0-20mA or 4-20mA) regulates the dosage from 0% to 100% of maximum capacity (DMM-AR only).

Maximum Stroke Frequency

Maximum stroke frequency can be reduced to achieve greater sensitivity in an analog-controlled dosing system.

Level Control

A level control unit monitors the level of chemical in the tank between an upper and lower sensor. Both sensors activate an alarm if triggered. The lower sensor stops the pump automatically.

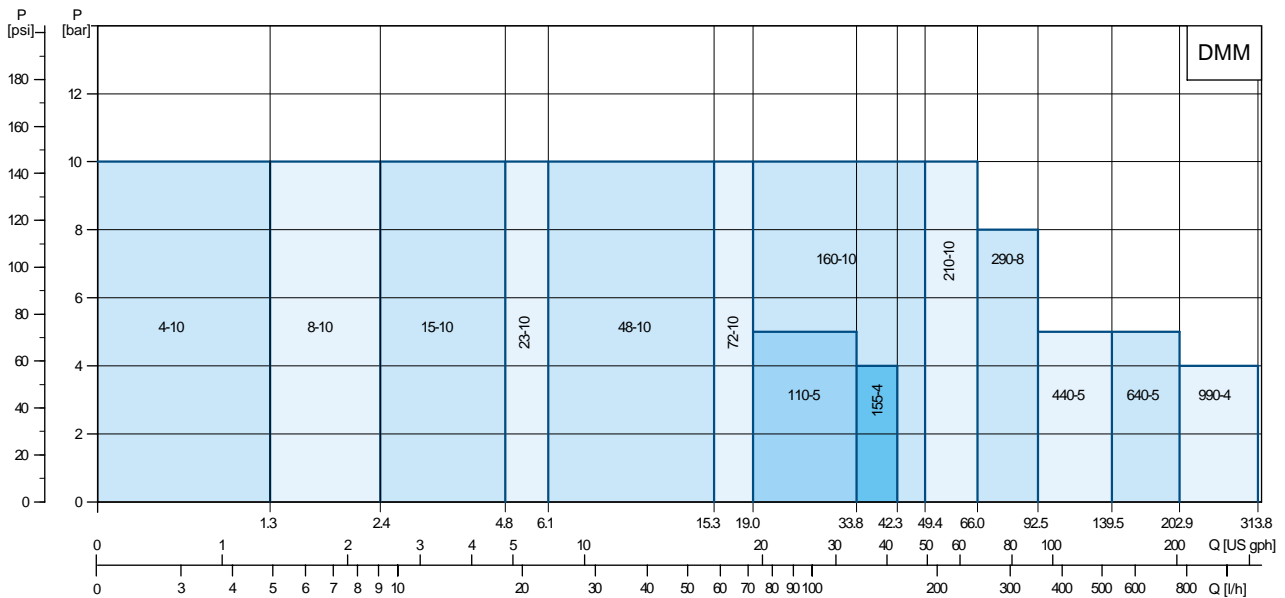
Alarm Relay Output

The alarm can issue a warning in the event of low additive level.

External Stop/Start

The DMM-AR can be started and stopped automatically from an external switch or a PLC. For example, it can be set to start pumping simultaneously with the main pump.

DMM	DMM-B 3 ph 230/460 or 575 volts														
	DMM-AR and DMM-B 1 ph 120 volts														
	4	8	15	23	48	72	110	155	160	210	290	440	640	990	
Mechanical data	I/h	4.8	9	18	23	58	72	128	160	187	250	350	528	768	1188
	gph	1.3	2.4	4.8	6.1	15.3	19.0	33.8	42.3	49.4	66.0	92.5	139.5	202.9	313.8
	ml/stroke	2.6	2.6	2.6	2.6	8.5	8.5	19	19	36.5	36.5	51.2	165	165	165
Maximum Pressure	psi	145	145	145	145	145	145	72.5	58	145	145	116	72.5	72.5	58
Maximum Stroke Frequency	Stroke/min.	26	48	95	142	95	142	95	142	71	95	95	47	70	101



DMM01 4001

L-DD-5L-003 | 9/01
 PRINTED IN USA