

DOSING PUMP DP KMS

Magnetic - diaphragm dosing pump series KMS

Description

Dosing pump DP is used for dosing non-abrasive and non-combustible liquids. There are numerous control options of the pump via its divider and pulse multiplier, input 4 - 20 mA, voltage input, as well as integrated digitally controlled timer.

Network frequency synchronization is carried out due to more proportional magnet power supply which results in more accurate dosing and a longer magnet life span.

Dosing pump can be equipped with integrated pH, redox or chlorine controller.



Types of series KMS

KMS MF

Digital multifunction pump with integrated pulse divider, pulse multiplier, stand-by and flow sensor input and level control.

KMS DC

Digital constant pump, stand-by input and level control.

KMS CL

Proportional pump for free chlorine (Cl_2) control with level control, supplied without chlorine probe. It operates with chlorine cell CL 4.1.

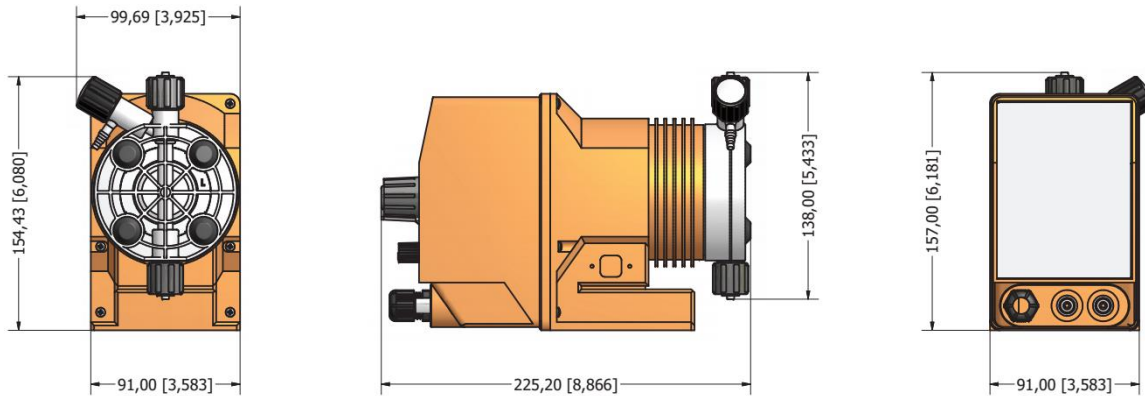
KMS EN

Pump with microprocessor weekly timer, level probe and electro valve control.

KMS PO

Proportional dosing pump with level control and pH/ORP control.

Dimensions



Dimension in millimeters [inch].

Technical data

Dosing pump	Unit	1,0 / 20	2,0 / 18	4,0 / 15	5,0 / 10	8,0 / 8	10,0 / 5	18,0 / 2
Capacity at max. pressure	l/h	1,0	2,0	4,0	5,0	8,0	10,0	18,0
Max. pressure	bar	20	18	15	10	8	5	2
Volume per stroke	ml	0,09	0,19	0,37	0,46	0,22	0,93	1,67
Strokes speed	min ⁻¹	180	180	180	180	180	180	180
Power supply								
Nominal power	W	19						
Voltage	VAC / VDC	230 / 24						
Standard materials								
Enclosure	PP							
Pump head	PVDF							
Diaphragm	PVDF							
Inlet/outlet connection	PVDF							
Valve body	PVDF							
Delivery/suction hose	PVDF/PVC							
Connection								
Delivery hose (PVDF)	mm	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6	6 x 8
Suction hose	mm	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6	6 x 8
Weight	kg	4,1	4,1	4,1	4,1	4,1	4,1	4,1

Data for power is measured with H₂O at 20 °C and maximal pressure.

Controlling modes

	MF	DC	CL	EN	PO
Input	digital mA V	without	chlorine probe -100 mV/ppm	without	pH probe ORP probe
Controlling mode	pulse divider and multiplier	stroke length strokes speed	chlorine control proportional	weekly timer	pH control ORP control proportional