

PM10VC Cased Diaphragm Metering Pumps

Incorporate one of these cased diaphragm metering pumps into your machine or analyzing instruments for low flow liquid or gas sampling and transfer. Integration is simple with the small size and power requirements of these unique little pumps. These self-priming pumps can run dry for extended periods without damage. Operate the pump with the manual or remote controls. The remote control options integrate easily with a PLC or computer operated systems.

Select from several models with the same flow rate, but different materials of construction. Connect tubing to the appropriate inlet or outlet and provide a DC power supply to begin. Low power requirements and small size are ideal for portable, battery-operated applications.

Variable flow through manual control or remote 0-5VDC. Continuous-duty. One year warranty.



PM10 Cased Diaphragm Metering Pump

SPECIFICATIONS

Max Flow rate:	100 ml/min (1.5 GPH)
Max Flow rate (air):	100 ml/min
Max. Suction:	10 ft. H ₂ O (9" Hg)
Max. Pressure:	15 psig (33 ft. H ₂ O)
Port Size (OD):	4.3 mm (0.17")
Wetted Parts:	
Head:	Polypropylene or PVDF
Diaphragm:	EPDM or PTFE
Valves:	EPDM or FFPM
Power Req:	12 Vdc
Current (Full load):	0.28 A
Max Operating Temp.:	40°C (104°F)
Ambient Fluid Temp.:	-10 to 40°C (-14 to 104°F)
Dimensions:	140 x 90 x 71 mm
(LxWxH)	5.5" x 3.5" x 2.8"
Weight:	650g (23oz)

SPECIAL FEATURES

*Variable flow up to 100 ml/min
Molded polypropylene pump head
EPDM or PTFE diaphragm
EPDM or FFPM check valves
Vacuum to 9 in. Hg (360 mbar)
12 Vdc brush or brushless motors
Low Cost*

APPLICATIONS

*Sample analyzers
Fluid transfer
Chemical metering
Battery– operated portable applications*

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PM10VC Ordering Information

Control Module Features	V1	V2	V3
Manual flow control, on/off switch	•	•	•
Remote analog start/stop		•	•
Remote flow control (0-5Vdc)			•

Part No.	Materials			Motor Voltage	Motor Type
	Head	Diaphragm	Check Valves		
PM10VX.001	PP	EPDM	EPDM	12VDC	Brush DC
PM10VX.002	PP	PTFE	FFPM	12VDC	Brush DC
PM10VX.003	PVDF	PTFE	FFPM	12VDC	Brush DC
PM10VX.201	PP	EPDM	EPDM	12VDC	Brushless DC
PM10VX.202	PP	PTFE	FFPM	12VDC	Brushless DC
PM10VX.203	PVDF	PTFE	FFPM	12VDC	Brushless DC

Vac Power Supply

Convert these compact drives to VAC models with a compact power supply. 5.5 OD x 2.5mm ID (center +) connector. Add the suffix to the part no. to include the power supply.
 -U Power supply, 115Vac/12Vdc, 0.5mA; US Std plug.

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