

### Miniature Diaphragm Metering Pumps

Incorporate one of these miniature 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.

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.

Vary flow by varying the input voltage. 12 VDC and 24VDC models are available in both brush and brushless varieties.

Continuous-duty. One year warranty.



PM10 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 <sub>2</sub> O (9" Hg)
Max. Pressure:	15 psig ( 33 ft. H <sub>2</sub> O)
Port Size (OD):	4.3 mm (0.17")
Wetted Parts:	
Head:	Polypropylene or PTFE
Diaphragm:	EPDM or PTFE
Valves:	EPDM or FFPM
Power Req:	12 / 24 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:	48.3 x 22 x 36.5 mm
(L xWxH)	1.9" x 0.87" x 1.44"
Weight:	60 g (0.13 lb.)

#### SPECIAL FEATURES

Miniature Size – 48 x 22 x 37 mm  
 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)  
 12/24 Vdc brush or brushless motors  
 Low Cost

#### APPLICATIONS

Sample analyzers  
 Fluid transfer  
 Chemical metering  
 Battery– operated portable applications

# PM10 Diaphragm Metering Pump

## PM10VO Ordering Information

Part No.	Materials	Motor Voltage	Motor Type
PM10.001	PP Head EPDM Diaphragm EPDM Check Valves	12VDC	Brush DC
PM10.002	PP Head PTFE Diaphragm FFPM Check Valves	12VDC	Brush DC
PM10.003	PVDF Head PTFE Diaphragm FFPM Check Valves	12VDC	Brush DC
PM10.051	PP Head EPDM Diaphragm EPDM Check Valves	24VDC	Brush DC
PM10.052	PP Head PTFE Diaphragm FFPM Check Valves	24VDC	Brush DC
PM10.053	PVDF Head PTFE Diaphragm FFPM Check Valves	24VDC	Brush DC
PM10.201	PP Head EPDM Diaphragm EPDM Check Valves	12VDC	Brushless DC
PM10.202	PP Head PTFE Diaphragm FFPM Check Valves	12VDC	Brushless DC
PM10.203	PVDF Head PTFE Diaphragm FFPM Check Valves	12VDC	Brushless DC
PM10.251	PP Head EPDM Diaphragm EPDM Check Valves	24VDC	Brushless DC
PM10.252	PP Head PTFE Diaphragm FFPM Check Valves	24VDC	Brushless DC
PM10.253	PVDF Head PTFE Diaphragm FFPM Check Valves	24VDC	Brushless DC

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