

## 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.



PM30 Diaphragm Metering Pump

### SPECIFICATIONS

Max Flow rate:	300 ml/min
Max Flow rate (air):	300 ml/min
Max. Suction:	20 ft. H <sub>2</sub> O (18" 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 PVDF
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:	82 x 57.2 x 30.5 mm
(LxWxH)	3.23" x 2.25" x 1.20"
(Brushless DC)	72.8 x 63.4 x 54 mm
	2.87" x 2.50" x 2.13"
Weight:	180 g (0.40 lb.)

### SPECIAL FEATURES

Flow up to 300 ml/min  
 Molded polypropylene pump head  
 EPDM or PTFE diaphragm  
 EPDM or FFPM check valves  
 Vacuum to 18 in. Hg (360 mbar)  
 12/24 Vdc brush or brushless motors  
 Low Cost

### APPLICATIONS

Sample analyzers  
 Fluid transfer  
 Chemical metering  
 Battery- operated portable applications

# PM30 Diaphragm Metering Pump

## PM30VO Ordering Information

Part No.	Materials	Motor Voltage	Motor Type
PM30.001	PP Head EPDM Diaphragm EPDM Check Valves	12VDC	Brush DC
PM30.002	PP Head PTFE Diaphragm FFPM Check Valves	12VDC	Brush DC
PM30.003	PVDF Head PTFE Diaphragm FFPM Check Valves	12VDC	Brush DC
PM30.051	PP Head EPDM Diaphragm EPDM Check Valves	24VDC	Brush DC
PM30.052	PP Head PTFE Diaphragm FFPM Check Valves	24VDC	Brush DC
PM30.053	PVDF Head PTFE Diaphragm FFPM Check Valves	24VDC	Brush DC
PM30.201	PP Head EPDM Diaphragm EPDM Check Valves	12VDC	Brushless DC
PM30.202	PP Head PTFE Diaphragm FFPM Check Valves	12VDC	Brushless DC
PM30.203	PVDF Head PTFE Diaphragm FFPM Check Valves	12VDC	Brushless DC
PM30.251	PP Head EPDM Diaphragm EPDM Check Valves	24VDC	Brushless DC
PM30.252	PP Head PTFE Diaphragm FFPM Check Valves	24VDC	Brushless DC
PM30.253	PVDF Head PTFE Diaphragm FFPM Check Valves	24VDC	Brushless DC

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