

### Diaphragm Metering Pumps

These reliable metering pumps were designed to provide continuous-duty chemical metering in your batch or fluid treatment applications. Vary the flow rate manually to meet your system requirements.

Flow rate is controlled by both the adjusting the stroke length of the continuous-duty gear motor over a 27:1 range. Stroke length adjustment alters the amount of fluid dispensed per stroke.

Pumps include PP injection/back pressure valve assembly (Viton and TPE/P o-rings, spring-loaded ceramic check ball seal), PVDF foot valve assembly with PP strainer, Teflon coated EP diaphragm, clear PVC tubing and a 6-ft power cord (no plug on 230Vac units). One year warranty.

**Continuous-duty  
Chemical Resistant  
Up to 1023 ml/min**



### SPECIFICATIONS

Metering Range:	0 to 1023 ml/min (389 GPD / 61.4 LPH)
Flow control:	27:1 turndown
Accuracy/Repeatability:	±10% full scale (water 0 psig, 5' suction)
Max. Fluid Pressure:	125 psig (8.6 bar)
Suction Lift:	3 m (10-ft) water
Tubing Connection:	3/8" OD compression fitting
Wetted parts:	PP, Teflon® PTFE, PVDF, TPE, ceramic
Max. Fluid Temp.:	54°C (130°F)
Enclosure:	ABS, aluminum
Duty Cycle:	Continuous
Power:	115Vac, 50/60Hz, start .74A / run .45A 230Vac, 50/60Hz, start .36A / run .21A 24Vac, 60Hz, start 3.4A/run 2.0A 12Vdc, 3.0A Max
Dimensions(W x H x D):	165 x 168 x 136 mm (6.5 x 6.62 x 5.37 in.)
Weight:	approx 4.1 kg (9 lbs)
Shipping Wt:	approx 3.6 kg (8 lbs)

### APPLICATIONS

*Chemical Metering  
Water treatment  
Batch control  
Proportional control*

*PM110 pumps are available with a range of motor options.*

### SPECIAL FEATURES

*Double-ball inlet & outlet cartridge check valves  
Precision molded polypropylene body  
Ball-bearing gear motor for smooth operation  
Pump viscous fluids up to 1000 cps*

### Ordering Information

ml/min	Max Flowrate		Max Press.	Motor RPM	Tubing OD	Manual Control only		Manual Control Only	
	GPD	LPH				115Vac	230Vac	24Vac/60Hz	12Vdc
63	24	3.8	125 (8.6)	14	3/8"	PM110.001	PM110.011	PM110.021	PM110.031
155	58	9.3	125 (8.6)	30	3/8"	PM110.002	PM110.012	PM110.022	PM110.032
248	91	14.9	80 (5.5)	45	3/8"	PM110.003	PM110.013	PM110.023	PM110.033
290	110	17.4	60 (4.1)	60	3/8"	PM110.004	PM110.014	PM110.024	PM110.034
616	237	37.0	30 (2)	125	3/8"	PM110.005	PM110.015	PM110.025	PM110.035
1023	389	61.4	10 (0.7)	250	3/8"	PM110.006	PM110.016	PM110.026	PM110.036

**For more information contact:**

**APT Instruments or your local distributor.**