

New Variable-flow Vacuum/Pressure Pumps

These small pumps provide variable air flow for small pressure or vacuum applications. Ideal for mini-scale research or automated instrument applications. Integration is simple with the small size and power requirements of these unique little pumps.

Select from one of 12 models with different input voltages and control module features. Connect tubing to the appropriate inlet or outlet and provide a Vdc power supply to begin (or use optional wall-mount power supply). All plastic wetted parts provide long service life.

Vary flow by varying the control potentiometer or remote 0-5Vdc input signal. Motors are rated for intermittent-duty. One year warranty.

SPECIAL FEATURES

*Low noise and vibration
Variable-flow up to 2.7 LPM (STP)
Molded neoprene diaphragm
Rugged plastic housing
Vacuum up to 17.5" Hg
6 or 12 Vdc motor
Low cost, cased model*

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

SPECIFICATIONS

Model	Max Flow (L/Min)	Max Press (PSI)	Max Vac (In Hg)
PAD11VX.011, 021	0.9	4.5	6.0
PAD11VX.013, 023	2.7	15.0	20.0
Port Size (OD):	5 mm (0.0.188") hb		
Ambient Fluid Temp:	-10°C to max operating temp.		
Operating Env.:	0 to 40°C (32 to 104°F)		
Wetted Parts:	acetal, neoprene, PP, PTFE		
Motor Type (life):	Perm Magnet (3000 hrs)		
Power Req:			
PAD11VX.011, 013	6 Vdc, 800 mA max		
PAD11VX.021, 023	12 Vdc, 320 mA max		
Remote Control:	V2 - mini phone jack; V3 - DB9 connector		
Dimensions:	140 x 90 x 71 mm		
(L x W x H)	5.5" x 3.5" x 2.8"		
Weight (pump):	650 g (23 oz)		
Shipping Wt:	0.9 kg (2 lbs)		

Manual and remote-control models!



PAD11V1.023
Air Diaphragm Pump

APPLICATIONS

*Gas Samplers
Air circulation
Analyzers
Battery-operated portable samplers*

PAD11VC Ordering Information

Flow LPM	Motor type	Pump Part No. 6Vdc	Pump Part No. 12Vdc
0.2 - 0.9	Brush PM	PAD11VX.011	PAD11VX.021
0.5 - 2.7	Brush PM	PAD11VX.013	PAD11VX.023

Flow rates listed are nominal and will vary depending upon temp and pressure.

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/6 or 12Vdc, US Std plug.
- E Power supply, 230Vac/6 or 12Vdc, Europ. plug.

For more information contact:

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Your local SmallPumps™ Distributor: