



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 3 models with different 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. Permanent magnet brush DC motors. One year warranty.

Manual and remote-control models!



PAD19V1.004
Air Diaphragm Pump

SPECIAL FEATURES

- Low noise and vibration*
- Variable-flow up to 2.8 LPM (STP)*
- Molded neoprene diaphragm*
- Rugged plastic housing*
- Vacuum up to 19.7" Hg*
- Low cost, cased model*

APPLICATIONS

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

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)
PAD19VX.004	2.8	35.6	-19.7
Port Size (OD):	5 mm (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, Tyg2001		
Motor Type (life):	Perm Magnet (1000 hrs)		
Power Req:	12 Vdc, 1.9 A max		
Remote Control:	V2 - mini phone jack; V3 - DB9 connector		
Dimensions: (L x W x H)	125 x 76 x 114 mm 4.9" x 3" x 4.5"		
Weight (pump):	650 g (23 oz)		
Shipping Wt:	0.9 kg (2 lbs)		

PAD19VC Ordering Information

Flow LPM	Motor type	Pump Part No. 12Vdc
0 - 2.8	Brush PM	PAD19VX.004

Flow rates listed are nominal and will vary depending upon temp and pressure. and back 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. Other plug options available upon request.

PS100.015 Power supply, 115Vac/12Vdc, 2.1A US Std plug.
 PS100.015E Power supply, 230Vac/12Vdc, 2.1A Europ. plug.
 PS100.900 DC Power Cable, 36" L.

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