

CLARK

Dia-Vac Gaseous Diaphragm Sampling Pump

Dual Voltage 115-230v AC 50/60 Hz, 12-24v DC, 3.9-12.6 LPM

DESCRIPTION

Dia-Vac® gaseous diaphragm sampling pumps are completely self contained and may be used for either built-in or portable applications. These economical oil-free, contamination-free and leak-free Dia-Vac® pumps may be used for flow and/or pressure/vacuum applications and are CE approved.

SPECIFICATIONS

Voltage:

Standard Configuration 115vAC-230vAC , 50/60 Hz
Optional Brush or Brushless 12vDC-24vDC

Pipe Connector: 1/8"-27 NPT

Ambient Temperature: 104°F (40°C)

Up to 400° F (204°C) media temperature with options

Pump Head Materials: Aluminum, Aluminum with Teflon Coating, 316 Stainless Steel, 316 Stainless Steel with Teflon Coating, or All Teflon

Diaphragm Materials: Standard Teflon/EPDM or All Teflon option

Flow: Standard Eccentric size (.16) allows 7.6 LPM but optional eccentrics available for reduced performance

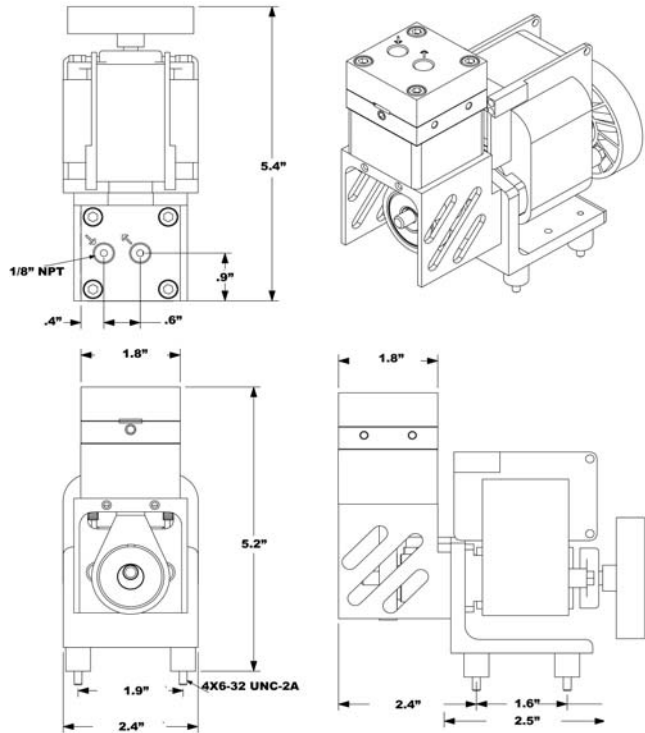
Weight

Heated Single Head Dia-Vac® Pump: This self contained head eliminates cold spots in sample systems. These models come complete with a type K thermocouple and two 50 watt cartridge heaters. The pump requires a digital temperature controller to prevent overheating.(See diagram below for measurements)

The Double head Dia-Vac is an excellent choice when added flow is required. This pump is also available in elevated and heated head options.

The Elevated Single Head Dia-Vac® Pump is designed for high temperatures allowing the head to be inserted into a heated box with the motor remaining in an ambient.

The Single Head Dia-Vac® May be used for continuous operation and is available in a variety of eccentric sizes to conform to your system requirements.



PERFORMANCE

Eccentric Size	Flow Averages					
	PSIG	bar	InHg	mbar	CFM	LPM
.080	8.5	0.59	14.9	505	0.138	3.9
.100	12.9	0.89	17.4	589	0.155	4.4
.120	18.1	1.25	20.2	684	0.20	5.7
.140	23.4	1.61	21.4	725	0.24	6.8
.160 (std.)	29.2	2.01	23.0	778	0.268	7.6
Double (.160)	34.3	2.36	22.2 / 28	752 / 948	.45 / .23	12.6 / 6.43

ORDERING INFORMATION

Ex. B161-FP-AA1 : Single Stage Dia-Vac® w/ SS heads, 0.160 ecc, All-TFE diaphragm, 115v/60Hz

Model	Eccentric Capacity	Number of Heads	Head Material	Diaphragm Material	Type	Voltage	Hz	Options
B	16 (Standard) 14 12 10 08	1 2	A=Alum B=Alum TefCo F=316ss G=316ss TefCo T=Solid Teflon	E=Tef/EPDM P=All Teflon	A=Gen. Pur. H=Brushless DC J=Brush DC	A=115 B=230 H=12 J=24	0=N/A 1=60 1Ph 2=50 1Ph 5=50/60 1Ph	L=Elevated Head M=Heated-K Thermocouple Z=Rotate Housing 180o