



Diaphragm Vacuum Pump

Labtron Equipment Ltd

Diaphragm Vacuum Pump LDVP-A1 Series

Diaphragm Vacuum Pump is designed to deliver contamination-free air, gases or vapours. Equipped with automatic cooling exhaust system ensures continuous 24 hours operations. It can operate independently or as part of a modular system and require minimal maintenance. Diaphragm vacuum pumps easy to move and smooth operation guarantees ideal vacuum and high rate of flow of air stream. It is suitable for producing completely oil-free compressed air and vacuum production without environmental contamination through oil mist.

Features:

- ▶ Eco-friendly oil-free displacement pumping
- ▶ Design can be regulated by pressure to meet the vacuum or steady air stream within certain range
- ▶ Filtering system in the air exchange bin guarantees clean air
- ▶ Self-cooling air draft system enables the machine to run continuously for 24 hours
- ▶ High quality classical axletree design enables steady running with low noise and high operating efficiency
- ▶ Frictionless operating system producing no calories and having no friction exhausts
- ▶ Imported rubber diaphragm has corrosion resistance and long service life.
- ▶ Portable nature. User friendly operations.
- ▶ Nitrile rubber diaphragm resists most of the organic solvent and has long operating life



Applications:

Diaphragm Vacuum Pump can be used in Microbiology, Biotechnology laboratories and other research labs, industries for vacuum absorption, filtration unit and vacuum distillation, vacuum drying to extract, to transfer and to deliver contamination free air and gases.

Diaphragm Vacuum Pump LDVP-A1 Series

Specifications:

Model	LDVP-A10	LDVP-A11	LDVP-A12
Pumping Speed	12L/min	20L/min	20L/min
Ultimate Pressure	≥ 0.075 Mpa	≥ 0.08 Mpa	≥ 0.095 Mpa
Vacuum	250mbar	200mbar	50mbar
Inlet	$\phi 6$ mm	$\phi 6$ mm	$\phi 6$ mm
Outlet	$\phi 6$ mm	Silencer	Silencer
Temp. of Body	$< 55^{\circ}\text{C}$	$< 55^{\circ}\text{C}$	$< 55^{\circ}\text{C}$
Ambient Temp.	$7-40^{\circ}\text{C}$	$7-40^{\circ}\text{C}$	$7-40^{\circ}\text{C}$
Pump Head	Nylon	1	1
Noise Level	< 60 dB	< 60 dB	< 60 dB
Weight	4kg	7.5kg	10kg
Dimension	195×98×156mm	215×120×235mm	300×120×235mm
Power	75W	160W	160W
Power Supply	220V, 50Hz	220V, 50Hz	220V, 50Hz

Diaphragm Vacuum Pump LDVP-A1 Series

Specifications:

Model	LDVP-A13	LDVP-A14	LDVP-A15
Pumping Speed	30L/min	30L/min	60L/min
Ultimate Pressure	$\geq 0.08\text{Mpa}$	$\geq 0.095\text{Mpa}$	$\geq 0.08\text{Mpa}$
Vacuum	200mbar	50mbar	200mbar
Inlet	$\phi 6\text{mm}$	$\phi 6\text{mm}$	$\phi 6\text{mm}$
Outlet	$\phi 6\text{mm}$	Silencer	$\phi 6\text{mm}$
Temp. of Body	$< 55^{\circ}\text{C}$	$< 55^{\circ}\text{C}$	$< 55^{\circ}\text{C}$
Ambient Temp.	$7-40^{\circ}\text{C}$	$7-40^{\circ}\text{C}$	$7-40^{\circ}\text{C}$
Pump Head	1	2	2
Noise Level	$< 60\text{dB}$	$< 60\text{dB}$	$< 60\text{dB}$
Weight	8kg	9kg	9kg
Dimension	$210 \times 160 \times 235\text{mm}$	$300 \times 120 \times 235\text{mm}$	$300 \times 160 \times 235\text{mm}$
Power	160W	160W	160W
Power Supply	220V, 50Hz	220V, 50Hz	220V, 50Hz