

VACUU-COM12 – Diaphragm Vacuum Pump for Air, Gases and Vapours



VACUU-COM12 - TECHNICAL SPECIFICATION

Series Diaphragm Vacuum Pump has the features of continuous 100% oil free pumping, low noise level, higher efficiency, and long lifetime. It is mainly used in medical products analysis, industry of fine chemicals, biochemical pharmacy, food examination, the criminal investigation technology... It is used with the precision vacuum meter instrument, the necessary of laboratory. This product is specially designed for laboratory, reliable and easy to use.

Application:

Vacuum adsorption

Solvent filtration

Vacuum distillation

Vacuum drying

Compressing and converting gas

SPE (solid phase extraction) deaeration

Features:

The product could work without any medium and does not produce pollution. The gas exchange room is placed with filtering material, to ensure that the air is clean.

New material and new technology are adopted in production. It is convenient to move, and work smoothly, thus ensuring the ideal vacuum degree and higher air velocity.

Using frictionless membrane body movement does not produce heat, no friction consumption. Diaphragm has corrosion resistance and long service life.

Automatic cooling exhaust system is designed in the body, ensures continuous operation.

The pressure adjustable can satisfy a certain range of vacuum and gas flow.

Smooth operation, low noise, high efficiency. Suitable for air, gases and vapor.

The part in contact with the gas of anticorrosive pump is with (TEFLON Series) surface treatments, which have complete ability of resistance to chemical corrosion.

The motor has the reasonable rotation design, equipped with a power overheat protector, when the pump body temperature reached 130 degrees, it will automatically power off, to protect the motor from being damaged in the long running work .

Small volume and light weight, easy to move save space, convenient repair and maintenance.

- 100% oil-free transfer
- Maintenance-free
- Overheating motor protected
- Environmentally friendly
- Pure transferring and evacuation of gases
- Suitable for highly aggressive or corrosive gases and vapor (series COT and CDT)

CONFIGURATION AND OPTION

Instrument Type	VACUU-COM12	VACUU-COS20	VACUU-CDS20	VACUU-COS30	VACUU-CDS30	VACUU-CDS90
Speed of evacuation L/min	12 L/min	20 L/min	20 L/min	30 L/min	30 L/min	90 L/min
Number of head	1	1	2	1	2	2
Ultimate Vacuum mbar	250 mbar	100 mbar	100 mbar	100 mbar	50 mbar	85 mbar
Ultimate Pressure	0,075 MPa	0,095 MPa	0,095 MPa	0,08 MPa	0,08 MPa	0,08 MPa
Pressure max. Rel.	1 bar (rel.)	1 bar (rel.)	1 bar (rel.)	1 bar (rel.)	1 bar (rel.)	1 bar (rel.)
Motor power (W)	75W	95W	120W	130W	140W	260W
Pressure	≥30Psi					
Inlet (mm)	φ6					
Outlet (mm)	φ6					
Temperature of working environment (°C)	7-40					
Pump Head	Single	Single	Double	Single	Double	Double
Function	Vacuum	Vacuum/Pressure	Vacuum/Pressure	Vacuum/Pressure	Vacuum/Pressure	Vacuum/Pressure
Max. Body Temperature	<55 °C					
Dimensions (W*H*D) (mm)	195*98*156	215*120*235	300*120*235	210*160*235mm	300*120*235mm	300*160*235mm
Noise level (DB)	<40	<45	<50	<50	<50	<60
Weight (kg)	4 Kg	6.2 Kg	10 Kg	6.6 Kg	10Kg	10 Kg
Gross weight	4.5 Kg	7.5 Kg	11,5 Kg	7,5 kg	11Kg	11 Kg
Valves for gas regulation	Stainless steel corrosion resistant					
Diaphragm	NBR					
Voltage	220V/50Hz					
Optional Accessories	Analogue vacuum meter, Digital vacuum meter, additional valves and fittings according your demand,					

Please note

If this Vacuum Pump does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

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