

## VACUU-CDS90 – Oil free membrane vacuum pump



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Catalogue



**D100% oil-free transfer**



**Overheating motor protected**



**Suitable for highly aggressive or corrosive gases**



**Easy operation**



**Moisture separator and vacuum meter as a standards**

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

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.

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	60 L/min	90 L/min
Number of head	1	1	2	1	2	2
Ultimate Vacuum mbar (abs)	250 mbar abs	100 mbar abs	100 mbar abs	100 mbar abs	80 mbar abs	85 mbar abs
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 (1 A)	95W (1 A)	120W (1.2 A)	130W (1.2 A)	200W (1.2 A)	260W (1.2 A)
Pressure	≥30Psi					
Inlet (mm)	φ8					
Outlet (mm)	φ8					
IP protection	IP30					
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 ( L*W*H ) (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	Nylon	NBR				
Voltage	220V/50Hz +/-10%					
Standard accessories	Analogue vacuum meter, Vacuum tube ID8 (5/18 inch), Moisture removing separator					
Optional Accessories	Digital vacuum meter/Controler, additional valves and fittings according your demand,					