

DVP Series Diaphragm Vacuum Pump

DVP系列隔膜真空泵



DVP1.2/1.2pro



DVP2pro



DVP2Dpro



DVP2Hpro



DVP4pro



DVP8Hpro



DVP10pro



DVP12pro



DVP8



DVP16

01 PRESENTATION

DVP series diaphragm vacuum pump is specially designed for handling corrosive gases or vapors. The eccentric wheel rotates under the drive of the motor, and makes the diaphragm performing reciprocating motion. The motion of the diaphragm changes the volume of the pump chamber, and realizes the inhalation, compression and exhalation of gases (Due to its unique design and special materials, diaphragm pump has significant advantages in harsh environments such as those in the chemical industry, electrochemistry, and wastewater treatment.)

DVP系列隔膜真空泵是一种专为处理腐蚀性气体或蒸汽而设计的泵。通过电机驱动带动偏心轮旋转，使隔膜片做往复运动。隔膜的运动改变了泵腔容积，实现气体的吸入、压缩和排气。（抗化学腐蚀隔膜因其特殊的设计和材料选择，在化工、电化学、污水处理等苛刻环境中具有显著优势。）

02 FEATURE

- Equipped with variable frequency permanent magnet motor, designed with dual-frequency & dual-voltage 永磁变频电机驱动，双频双压设计
- Completely resistance to chemical corrosion 完全的抗化学腐蚀能力
- Stable and reliable with Germany accessories 德国配件，稳定可靠
- Work constantly 可长时间连续工作
- Transformation of four patent results 四项专利成果转化

03 APPLICATION

- Vacuum drying 真空干燥
- Vacuum Distillation 减压蒸馏
- Vacuum Concentration 真空浓缩
- Centrifugal acceleration 离心加速
- Rotary evaporation 旋转蒸发
- Solid-phase extraction 固相萃取

04 OPTIONAL ACCESSORIES

Additional charges apply



Solution filter($\leq 4\text{m}^3/\text{h}$)
溶液过滤器($\leq 4\text{m}^3/\text{h}$)



Pre-adsorption filter ($\geq 8\text{m}^3/\text{h}$)
前置吸附过滤器



Dust filter
粉尘过滤器



Pre-adjustment filter
前置调节过滤器

05 TECHNICAL SPECIFICATION

Model 型号	DVP1.2	DVP1.2pro	DVP2pro	DVP2Dpro	DVP2Hpro	DVP4pro	DVP8Hpro	DVP10pro	DVP12pro	DVP8	DVP16
Pumping Speed (m^3/h) 抽速	1.2		2	2	2	4	8	10	12	8	16
Ultimate pressure (mbar)极限真空度	≤ 2	≤ 3	≤ 8	≤ 8	≤ 1	≤ 2	≤ 0.6	≤ 0.9	≤ 1.5	≤ 30	≤ 150
Frequency conversion (rpm)变频调速	Rated at 1400										
Motor 电机	Dual-value capacitor motor		Variable frequency permanent magnet motor, motor automatic protection								
Pumping head 抽气头	1		1	2	1	1	1	1	1	1	1
Power supply (w) 额定功率	80		180	360	360	360	600	600	600	400	400
Dimensions (mm) 尺寸	330*143*202	330*143*212	245*252*185	335*252*185	335*252*185	335*252*185	467*234*319	467*234*319	467*234*319	375*200*310	375*200*310
Weight (kg) 净重	7		8	10	10	10	23	23	23	20	20
Components 部件	Wetted parts 接触介质部分材质										
Displacing valve 排气阀片	FFKM										
Diaphragm 隔膜片	“Sandwich Configuration” PTFE三明治结构PTFE										
Inlet/Outlet 进气口/出气口	PTFE										
Fitting 管件	PTFE, PVDF										
Inlet plate 进气盘	Carbon fiber ETFE 碳纤维ETFE										
Cavity/Diaphragm clamping disc腔体及膜片夹紧盘	Carbon fiber ETFE 碳纤维ETFE										
Rated power(v) 电压	100-240V/50-60Hz										
Working temperature 工作环境温度	5-45°C										

NOTE : D means double cavity with single side)

DVP1.2/8/16: Resistant to general corrosion