

High Negative pressure, Long life
Double head with brushless motor /brush motor

KVP8 Plus series diaphragm vacuum pump



- Pretty
- Low noise
- High flow rate
- High negative pressure

Application



Photos



Brush motor -in series



Brush motor -in parallel



Brushless motor -in series



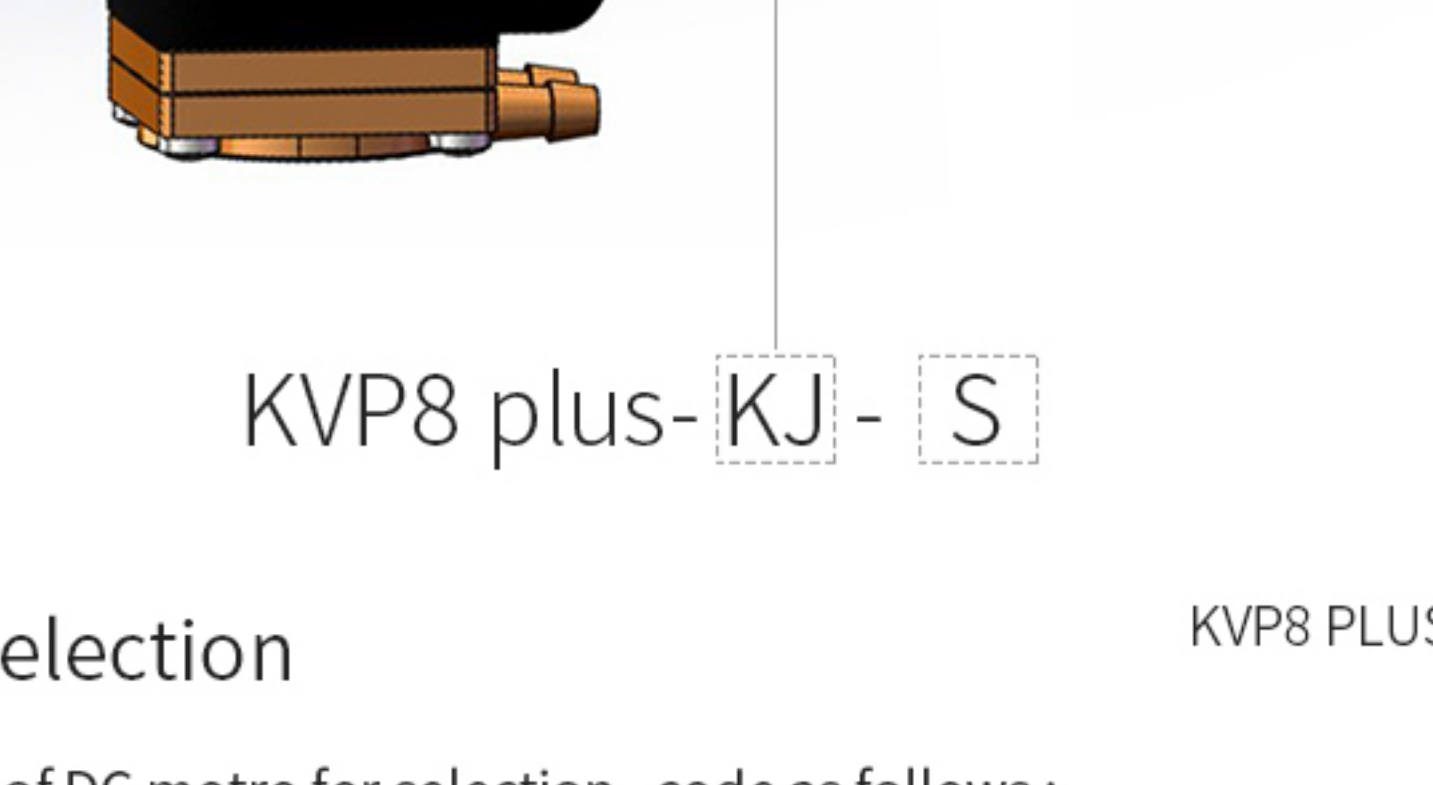
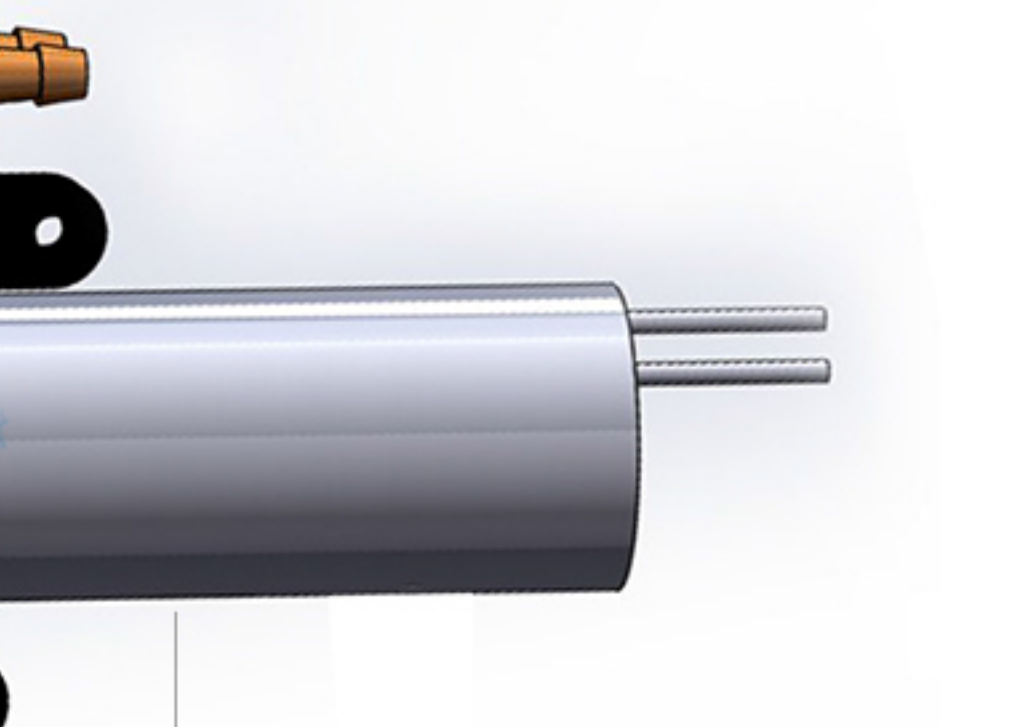
Brushless motor - in parallel

Product Parameters

Kvp8 plus mini diaphragm pump design on Volumetric principle, Which control the diaphragm inlet and outlet to form the pressure drive after the drive mechanism to promote the piston reciprocating motion, the pressure to push the diaphragm back and forth to work to absorb and remove the liquid

Features

- Small but powerful
- Negative pressure (in series) < -0.09Mpa
- Negative pressure(In parallel) < -0.07Mpa
- Dry running , durable and maintenance free
- Brush motor and brushless motor for selection
- Flow rate ≥660H/L
- Air positive pressure >0.1Mpa
- Chemical stability



KVP8 plus-KJ - S

Motor selection

KVP8 PLUS-KJ-S ↑

Four kinds of DC motor for selection , code as follows :

- KJ:24V brush DC motor (58mm)
 - KK:12V brush DC motor (58mm)
 - KB:24V brushless DC motor (67mm)
 - KD:12V brushless DC motor (67mm)
- Brush motor life : 2000 hours (theoretical value) Brushless motor life : 6000 hours
*Specific depending on usage "

The type of tube connection

Currently we offer two types of tube connection KVP8 PLUS-KJ-S ↑

1. "empty" means parallel connection
2. "S" means series connection

Diaphragm material

Currently we offer the following diaphragm material
EPDM- Decent resistance and tolerance toward alcohol, acid, alkali, oxidant, ketone and grease, ect. POOR resistance toward oil.

Performance

in parallel	Motor	Voltage (V)	Current (A)	Flow (H/L)	Positive Pressure (Mpa)	Negative Pressure (Mpa)	Noise (dB)	Power (W)
KVP8 plus	KK	12	0.75	≥600	≥0.12	≥0.07	≤74	9
	KJ	24	0.375	≥600				
	KD	12	0.75	≥660				
	KB	24	0.375	≥660				

in series	Motor	Voltage (V)	Current (A)	Flow (H/L)	Positive Pressure (Mpa)	Negative Pressure (Mpa)	Noise (dB)	Power (W)
KVP8 plus-s	KK	12	0.75	≥380	≥0.15	≥0.09	≤72	9
	KJ	24	0.375	≥380				
	KD	12	0.75	≥400				
	KB	24	0.375	≥400				

1. The above flow parameters which through testing at 20 °C room temperature and standard atmospheric pressure without pressure measurement, according to the actual media, different outlet pressure , Different speed DC motor , the flow will be some error, the data just for reference
2. When DC motor running, the temperature rise is a normal phenomenon
3. Vacuum diaphragm pump is mainly used as a vacuum pump, if used as a positive pressure power supply, it will affect the product' s life and performance, Exactly details need to contact with sales

Working condition: environment temperature 0~40°C Relative humidity <80%

Installation dimensions

At present we provide users to install: side of the installation

Unit: mm

