

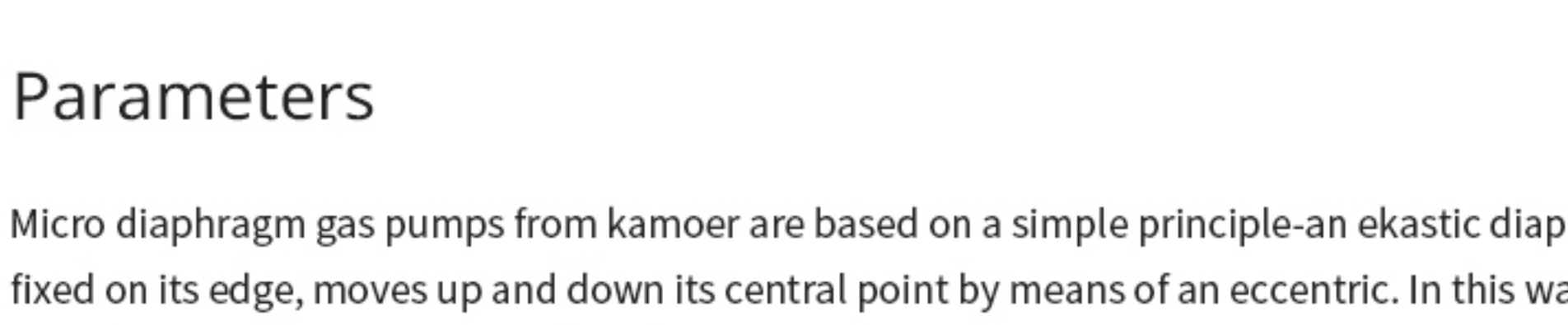
## Micro Vacuum Pump(Air pump)

### KVP8 series vacuum pump



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

### Applications



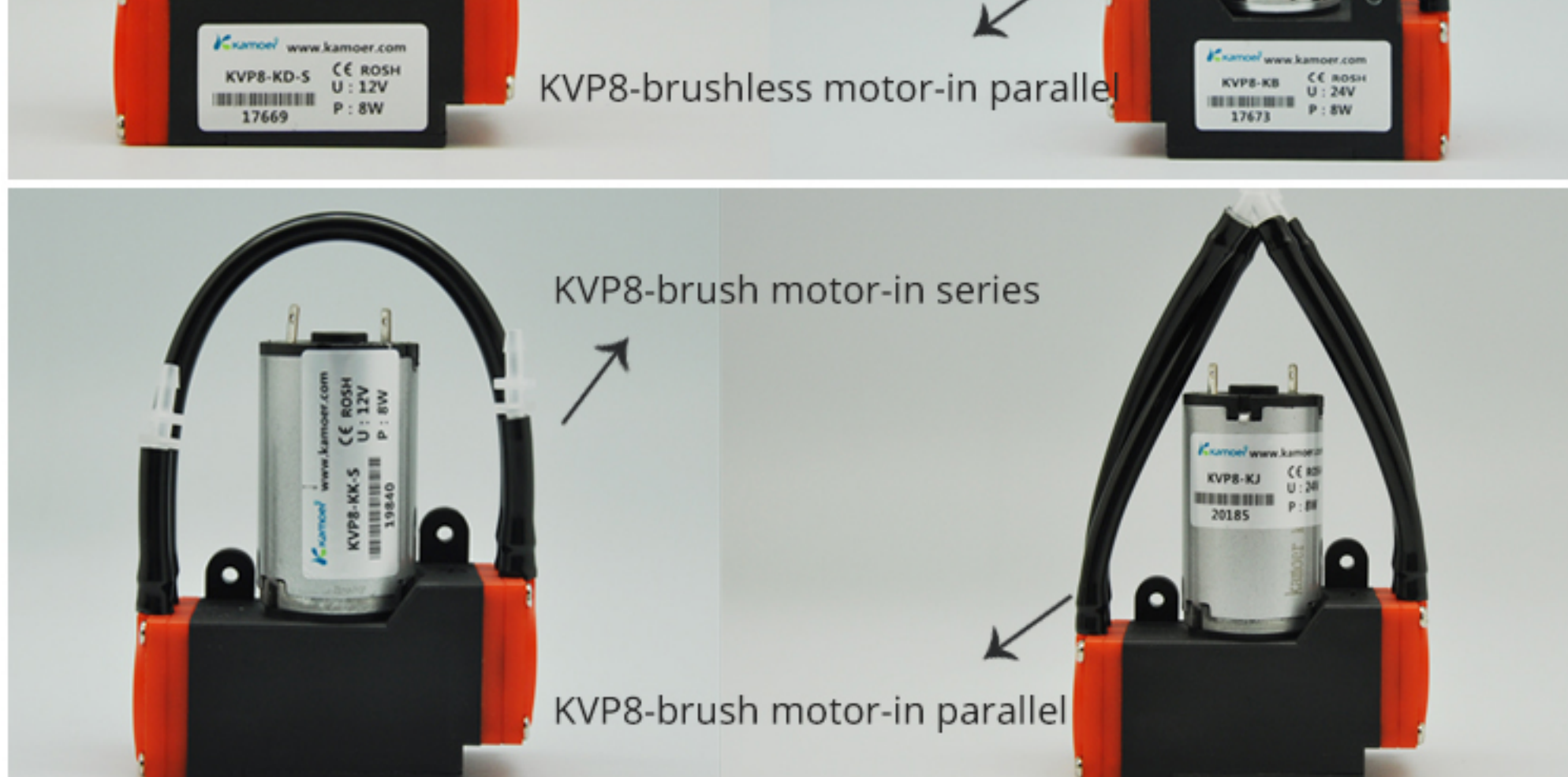
### Parameters

Micro diaphragm gas pumps from kamoer are based on a simple principle-an ekastic diaphragm, fixed on its edge, moves up and down its central point by means of an eccentric. In this way the gas is transferred using automatic valves.

### Features

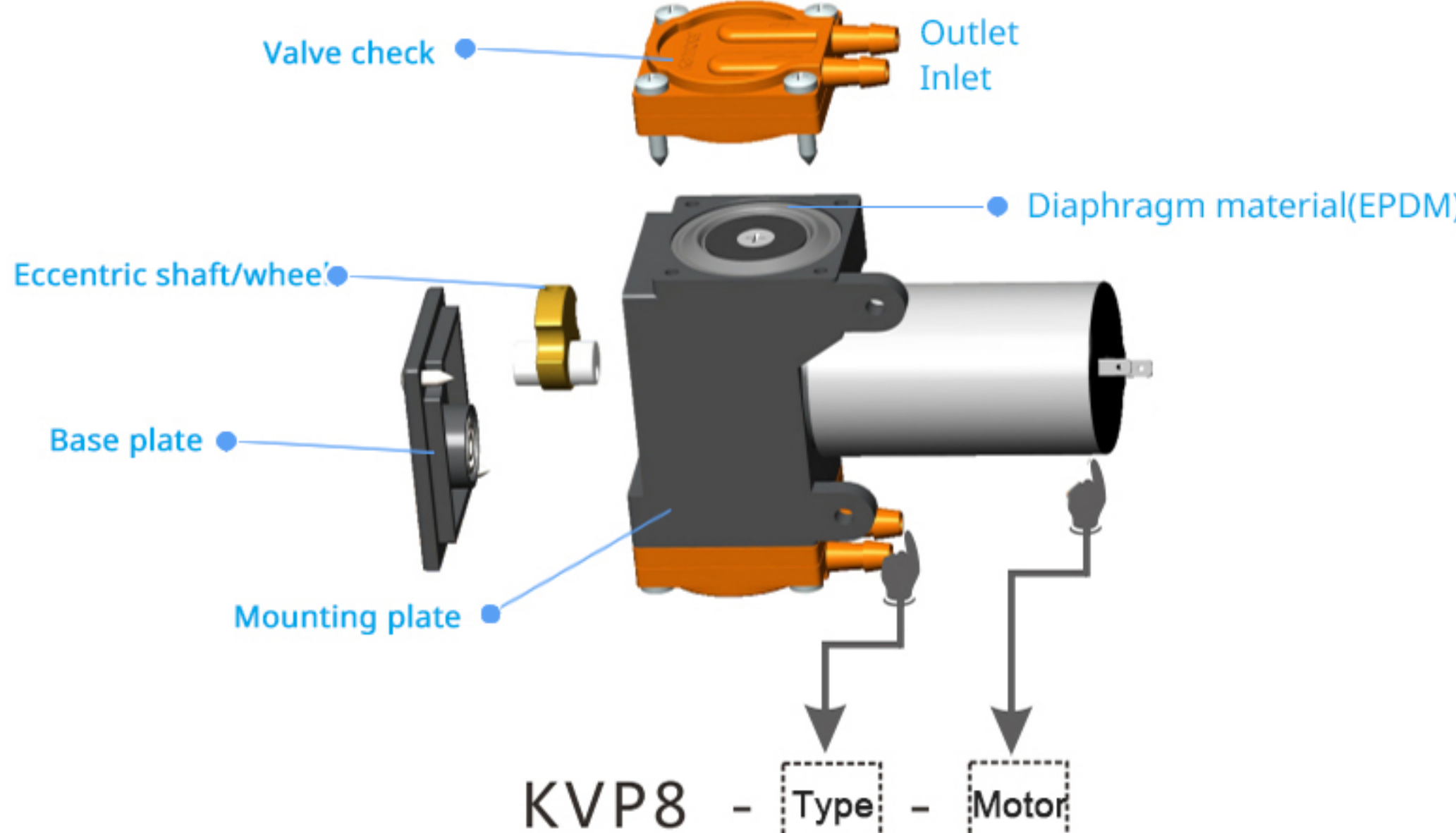
- Small but powerful
- Negative pressure( In series ) : <math>< -0.082\text{Mpa}</math>
- Negative pressure( In parallel ) : <math>< -0.06\text{Mpa}</math>
- Dry running , durable and maintenance free
- Brush motor and brushless motor for selection
- Flow rate: >480L/H
- Air positive pressure: >0.1Mpa
- Chemical stability

KVP8 series has 4 models, features and pictures as follows:



<b>The difference between Brush motor and Brushless motor is Lifetime</b> Brush motor: 2000H Brushless motor: 6000H	<b>The difference between in series and in parallel is pressure &amp; flow rate</b> In Series: with high vacuum degree 0.082Mpa In Parallel: with high flow rate 480L/H
---	---

## Details



KVP8 - Type - Motor

## Selection Guide

Series	Connection Type	Motor	Life time	Voltage	RLA (Rated load current) (A)	Positive Pressure (Mpa)	Negative Pressure (Mpa)	Flow (L/H)	Working Pressure	Noise
KVP8	in parallel	brush motor	2000H	6	2	≥0.1	≥0.06	≥480	100kap	68DB
				12	1.2					
		24	0.5							
		24	0.6							
	in series	brush motor	2000H	6	2	≥0.12	≥0.082	≥320	120kap	
				12	1.2					
24		0.5								
24		0.6								
in series	brushless motor	6000H	12	1.5	≥0.12	≥0.082	≥400	120kap		
			24	0.6						
	12	1.5								
	24	0.6								

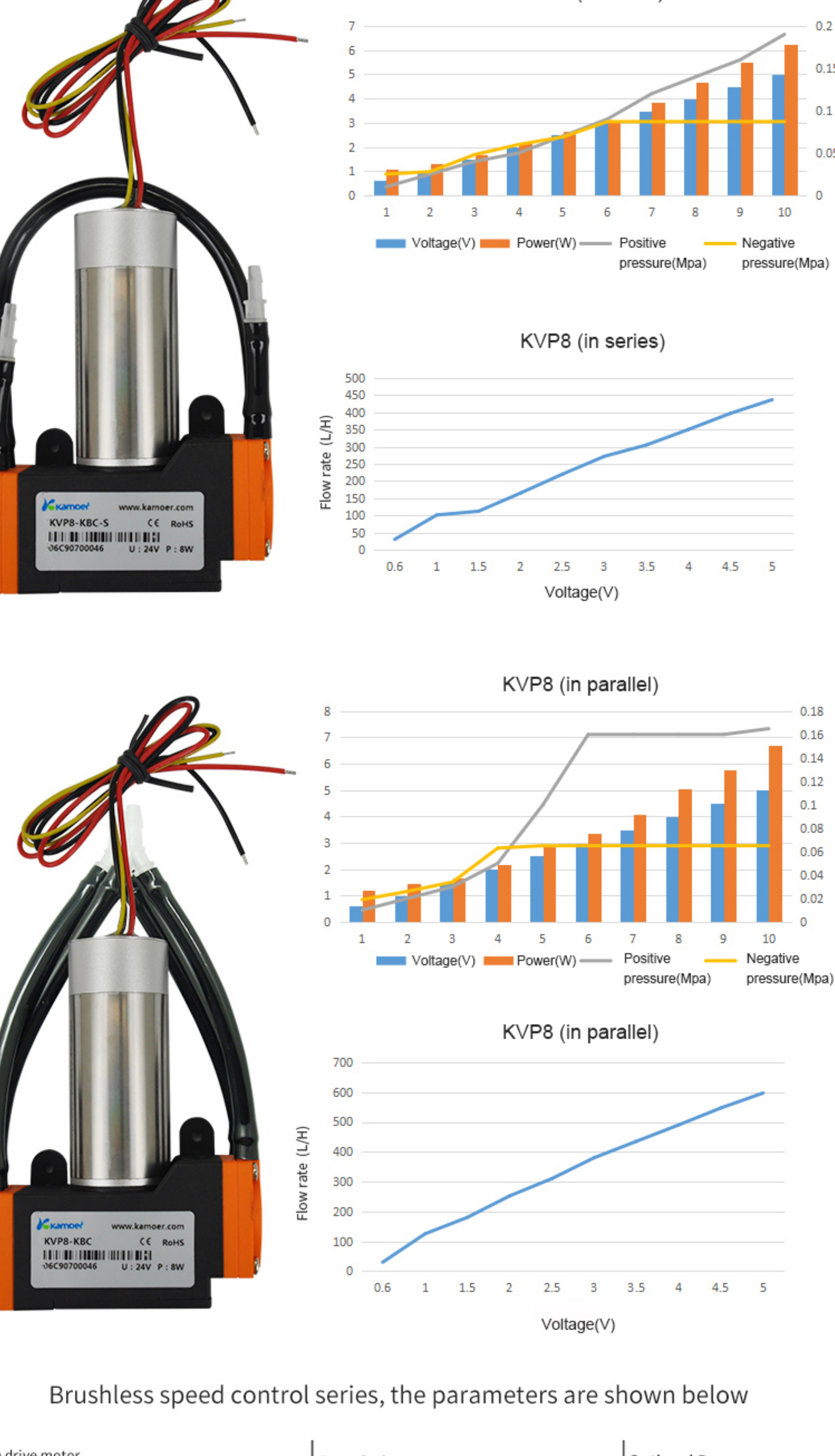
## General Specification

Weight	0.23~0.28KGS
Environment temperature range	0-40°C (0 to 104°F) (Note: Freezing must be prevented)
Ambient humidity range	<80% RH
Certifications & Approvals	ISO9001, CE, RoHS

## Size



## Multi-line speed diaphragm pump



Brushless speed control series, the parameters are shown below

<b>2-Wire Built-in drive motor</b>  1-UL1332 Red AWG20 Vcc (12V/24V) 2-UL1332 Black AWG20 GND	<b>Description:</b> Red Line: 12V or 24V Black line: GND	<b>Optional Program:</b> 1. Open-loop: The most high-speed operation 2. Closed-loop: fixed speed (such as conventional closed-loop 3500RPM)
<b>3-Wire Built-in drive motor</b>  1-UL1332 Red AWG20 Vcc (12/24V) 2-UL1332 Black AWG20 GND 3-UL1332 Yellow AWG24 SP (0-5V Speed control)	<b>Description:</b> Red Line: 12V or 24V Black line: GND Yellow Line: Analog voltage 0-5V or 5V, 10-30KPWM, Duty 0%-100%	<b>Optional Program:</b> 1. Open loop: 0V or Duty cycle 0% represents the lowest speed 2. Closed loop: 0V or Duty cycle 0% represents the lowest speed 3. Open-loop: 0V or Duty cycle 0% represents the highest speed 4. Closed loop: 0V or Duty cycle 0% represents the highest speed
<b>4-Wire Built-in drive motor</b>  1-UL1332 Red AWG20 Vcc (12/24V) 2-UL1332 Black AWG20 GND 3-UL1332 Yellow AWG24 SP (0-5V Speed control) 4-UL1332 Green AWG24 FG (Speed Feedback)	<b>Description:</b> Red Line: 12V or 24V Black line: GND Yellow Line: Analog voltage 0-5V or 5V, 10-30KPWM, Duty 0%-100% Green Line: Speed feedback, 1 pulses/rpm	<b>Optional Program:</b> 1. Open loop: 0V or Duty cycle 0% represents the lowest speed 2. Closed loop: 0V or Duty cycle 0% represents the lowest speed 3. Open-loop: 0V or Duty cycle 0% represents the highest speed 4. Closed loop: 0V or Duty cycle 0% represents the highest speed
<b>External Drive motor</b>  Terminal : PH2, 0-8P	 VS-MD-3039T Driver board	<b>Description:</b> Default welding potentiometer, power transfer (through potentiometer speed control)  <b>Customizable requirements:</b> ON switch (effective to ground) SP 0-5V or 5V, 10-30K PWM speed regulation FR Turn forward and backward FB Speed Feedback

