

Kamoer Fluid Tech(Shanghai) Co., Ltd.

Version: A/1

Product name	Mini Diaphragm Air Pump
Product number	KVP8 Plus
Execution date	2022.11.30
Company	Kamoer Fluid Tech(Shanghai) Co., Ltd.



Doc No.: CPBZ-KVP8 Plus-01

Version number: A1

Name: Diaphragm Air Pump

Model: KVP8 Plus

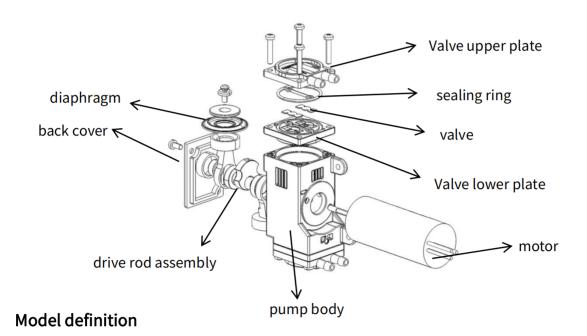
Effective Date: 20 22- 11 - 30

1. Product Overview

Product physical picture 1.



Product assembly drawing 2.



Add: Block 4, No.79 Xiangjing Road, Songjiang District, Shanghai

KVP8 Plus

Model

Tel: 021-67742578 www.kamoer.com

3.



S

In series

ΚJ

Motor type



Doc No.: CPBZ-KVP8 Plus-01

Version number: A1

Effective Date: 20 22- 11 - 30

Name: Diaphragm Air Pump

Model: KVP8 Plus

3.1 Motor type



KJ: 24V DC brushed motor

KK: 12V DC brushed motor



KB: 24V DC brushless motor

KD: 12V DC brushless motor

3.2 Takeover method

S: series connection, constant flow rate, high negative pressure;

"": without S, parallel connection, constant pressure, high flow rate

4. Performance characteristics, typical applications

4.1 Features

- ◆KVP8 Plus series diaphragm air pumps are available in 24V and 12V voltage options, customers can choose the appropriate voltage according to their own usage scenarios
 - ◆The product is small in size and powerful
 - ◆Series negative pressure ≤ -0.09Mpa, parallel negative pressure ≤ -0.07Mpa, gas positive pressure

≥ 0.1MPa

- ◆Dry-running, durable and maintenance-free
- ◆Chemical stability
- ◆Flow rate ≥ 11L/min

4.2 Typical application

- ◆Environmental protection industry: such as used as an air pump for gas detection
- ◆Medical equipment: such as used as an air pump for a rehabilitation instrument
- ◆Industrial automation: such as the use of negative pressure pumps as suction cups
- ◆White goods: such as use as a negative pressure pump for a massager

Add: Block 4, No.79 Xiangjing Road, Songjiang District, Shanghai

Tel: 021-67742578 www.kamoer.com





Doc No.: CPBZ-KVP8 Plus-01

Version number: A1

Name: Diaphragm Air Pump | Model: KVP8 Plus | Effective Date: 20 22- 11 - 30

4.3 Known Risk Notification

- ◆The medium will be in contact with the pump head and the rubber, so it is necessary to check the chemical compatibility or conduct an immersion test when selecting the model
- ◆The working environment of the product should not exceed 40°C, and the humidity should not exceed 80% (no condensation). The harsh working environment will cause premature damage to the product
- ◆Frequent start and stop, over pressure or under pressure and other unreasonable working conditions will lead to premature damage of the pump
 - ◆High overloading may result in premature failure of the product
- ◆Dust and other pollutants contained in the medium will contaminate the components in the pump and cause premature damage to the pump (please configure a pre-filter)
- ◆This diaphragm air pump cannot work continuously for a long time under the condition of positive pressure > 0.02Mpa, otherwise the product life will be greatly shortened

5. Intellectual property

CN210033803U

CN207161302U



CE certification









Add: Block 4, No.79 Xiangjing Road, Songjiang District, Shanghai

Tel: 021-67742578 www.kamoer.com





Doc No.: CPBZ-KVP8 Plus-01

Version number: A1

Effective Date: 20 22- 11 - 30 Model: KVP8 Plus

2. Product specification

1. **Technical Parameters**

	Project	KVP8 Plus-KK/KJ	KVP8 Plus-KD/KB	KVP8 Plus-KK/KJ-S	KVP8 Plus-KD/KB-S	
	Flow	≥10L/min	≥11L/min	≥6.3L/min	≥6.6L/min	
	Negative pressure	≤-0.070MPa		≤-0.090MPa		
В	Positive pressure	Positive pressure is not recommended				
Basic	Power	9W				
par	Noise	€.	74dB	≤72dB		
parameters	Weight	About 238g	About 278g	About 238g	About 278g	
eter	Control method	switch control				
S	Rated voltage	KK/KD: 12V KJ/KB: 24V				
	Motor type	DC brush	DC brushless	DC brush	DC brushless	
	Product life	≥2000h	≥6000h	≥2000h	≥6000h	
Applicable environment		Temperature range: 0°C~40°C; relative humidity: <80% (no condensation)				
		The test results of the above parameters at standard atmospheric pressure, room				
		temperature 25°C, medium is air, and the pump has no load pressure (the liquid has no				
		drop).				
	Supplementary	Noise test conditions: under the ambient noise of 35dB, under the rated voltage of the				
Note		product, measured at a distance of 50cm.				
		The performance parameters of the product are affected by the environmental state (air				
		pressure, temperature, humidity, etc.), the medium state (temperature, density, viscosity,				
		and chemical properties, etc.) and the load before and after the pump, so the above				
		parameters may be different from the actual parameters.				

Product material 2.

Model	Pump head	Pump body	Diaphragm	Valve	Eccentric wheel
KVP8 Plus	PA	PA	EPDM	EPDM	Metal

Add: Block 4, No.79 Xiangjing Road, Songjiang District, Shanghai

Tel: 021-67742578 www.kamoer.com





3.

Product Manual

Doc No.: CPBZ-KVP8 Plus-01

Version number: A1

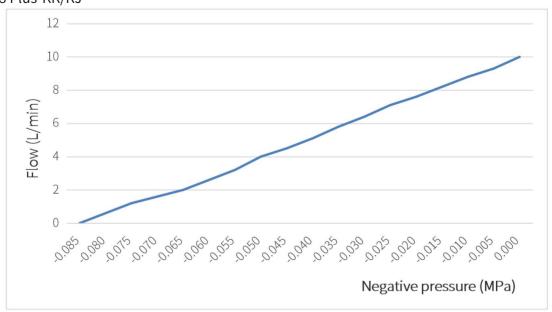
Model: KVP8 Plus | Effective Date: 20 22- 11 - 30

Name: Diaphragm Air Pump

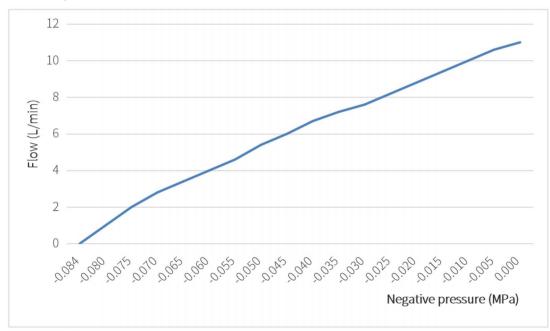
Trainer 5 is printed.

♦KVP8 Plus-KK/KJ

Flow curve



◆KVP8 Plus-KD/KB



Add: Block 4, No.79 Xiangjing Road, Songjiang District, Shanghai

Tel: 021-67742578 www.kamoer.com





Doc No.: CPBZ-KVP8 Plus-01

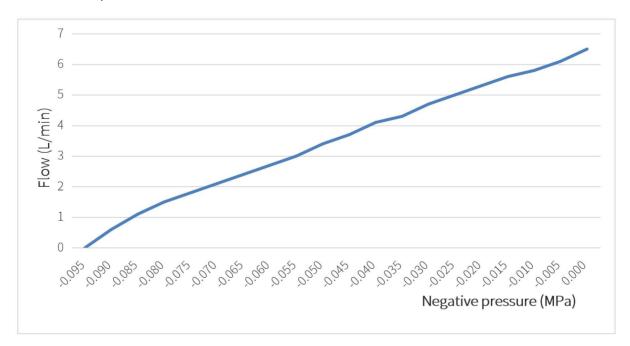
Version number: A1

Effective Date: 20 22- 11 - 30

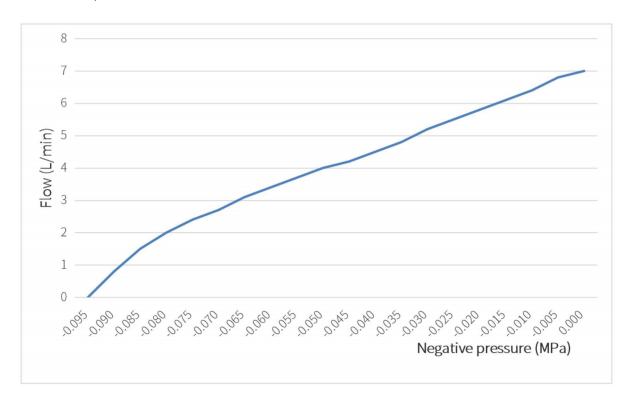
Name: Diaphragm Air Pump

Model: KVP8 Plus

◆KVP8 Plus-KK/KJ-S



◆KVP8 Plus-KD/KB-S



Flow curve is for reference only, and the specific parameters are subject to the actual working condition test.

Add: Block 4, No.79 Xiangjing Road, Songjiang District, Shanghai

Tel: 021-67742578 www.kamoer.com



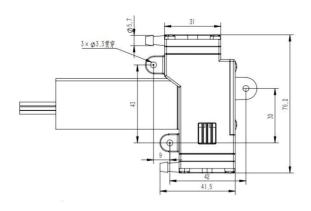


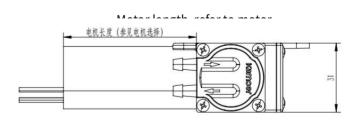
Doc No.: CPBZ-KVP8 Plus-01

Version number: A1

Model: KVP8 Plus Effective Date: 20 22- 11 - 30

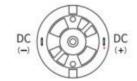
Product Size





5. **Motor control**





Illustrate:According to the motor wiring diagram, the positive pole of the power supply is connected to "+", and the negative pole is connected to "-".

3. Product Options

Name	Specifications		Function introduction
Takeover PU tube		4mm×6mm	Suitable for gas transmission, economical
Pre-filter		ZFC-100 ZFC-200	Used to filter dust and other pollutants in the medium to prolong the service life
Straight connector		5/32	Suitable for pipeline connection

Special declaration: The company reserves the right to improve the appearance and technical specifications of the prod uct without prior notice.

Add: Block 4, No.79 Xiangjing Road, Songjiang District, Shanghai

Tel: 021-67742578 www.kamoer.com

