

Kamoer Fluid Tech (Shanghai) Co., Ltd.

Version: A/1

Product name	Micro peristaltic pump
Product model	KXF
Execution date	2022.03.10
Company name	Kamoer Fluid Tech (Shanghai) Co.,Ltd.



Flie No .: CPBZ-KXF-01

Version No .: A1

Effective date: 2022-03-10 Model: KXF

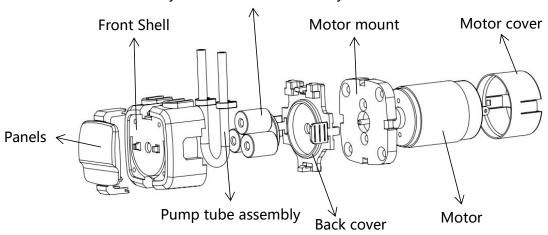
· Product Overview

Product physical picture 1.



Product assembly drawing 2.

Synchronous disk assembly



Model definition 3.

KXF	DA	В	04
Model	Motor model	Cast	Tube number

3.1 Motor model

DA: 24V DC brushed motor DC: 12V DC brushed motor DE: 6V DC brushed motor

3.2 Tube type

B: BPT pump tube S: Silicone tube

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3. 3 Tube number

Tube number	ID × OD
01#	0.4mm × 3.0mm
02#	0.6mm × 3.0mm
04#	1.0mm × 3.0mm
06#	2.0mm × 4.0mm
08#	2.5mm × 4.5mm
10#	3.0mm × 5.0mm

3.4 Product material

Model	Front shell	Back cover	Rotor	Cage	Motor mount
KPP	РОМ	РОМ	Engineering plastics	PA	PA

Performance characteristics, typical applications 4.

4.1 Performance characteristics

- KXF series peristaltic pump is a kind of peristaltic pump driven by DC brush motor, with 24V/12V/6V motor, which can provide different voltage options
- Pump tube selection the pump tube is imported BPT (B) tube and silicone tube (S), which can be applied to different transmission liquid requirements,
 - Pump tubing size optional (01#, 02#, 04#, 06#, 08#, 10#) to meet different flow requirements
 - This peristaltic pump can be adapted to ordinary DC brushed motors
 - The pump body comes with a hole mounting plate, no need to add it separately
 - 3-rotor transmission, moderate pulse
- Installation method is fixed through the plate, and the pump head adopts quick release type, and the direction of the tube joint can be selected in any direction of up, down, left, and right
 - Transmission mode-planetary friction reduction transmission
 - Pump tubing with wall thickness 1.0 mm

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4.2 Typical applications

Analytical instruments: trace element analyzer, chemiluminescence analyzer, miniature water quality automatic monitoring station, digital printing machine









Ion Chromatograph

Auto car wash

Five classification blood analyzer

Hypochlorite water generator

Product Certification 5.

CN304514582S







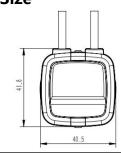
CE certification

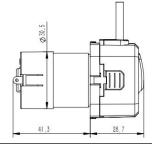


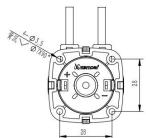
- Hoses are resistant to liquid media Need to check chemical compatibility or conduct immersion tests, improper hose selection may cause hose damage quickly
- The working environment of the product should not exceed 45°C, and the humidity should not exceed 70% (no condensation). The harsh working environment will cause premature damage to the product
- Fluid leakage accidents due to hose ruptures depend on the fluid medium and your specific application conditions
 - High overloading may result in premature failure of the product

Product specification

1. **Product Size**







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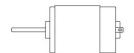
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Technical Parameters 2.

	Project				Te	echnical F	Paramete	ers			
	Motor type		DC brushed motor								
	Flow range		2-80ml/min								
Bas	Noise					≤60)dB				
sic p	Power					5\	N				
Basic parameters	Control method					Switch	control				
met	Weight					About	: 100g				
ers	Rated voltage	6V/12V/24V									
	Pump tube life	S: 200h BPT: 1000h									
	Motor life	800 hours									
	Reference flow rate (unit: ml/min)										
	Pump tube code	S01	S02	S04	S06	S08	S10	B04	B12	B06	В08
Pun	ID × OD (mm)	0.4×3	0.6×3	1×3	2×4	2.5×4.5	3×5	1×3	1.5×3.5	2×4	2.5×4.5
Pump flow	Pump tube material		Silicone tube			ВРТ					
low	DA/current: 0.12A	≥2	≥4	≥10	≥38	≥59	≥75	≥11	≥21	≥34	≥48
	DC/current: 0.25A	≥2.6	≥4.5	≥10	≥37	≥55	≥70	≥10	≥22	≥33	≥47
	DE/current: 0.53A	≥3	≥5	≥10.5	≥36	≥60	≥80	≥11	≥25	≥38	≥48
	The above parameters are measured with pure water without pressure at roo				oom						
P		temperature and standard atmospheric pressure at 20°C. Actually, depending on the									
eca	Remark	medium, the outlet pressure, the motor speed error, etc., there will be some errors in				ors in the					
Remark medium, the outlet pressure, the motor speed error, etc., there will be so flow rate. The data are for reference only, and can be customized according needs.					ding to	customer					
ns	needs.										
	Reference noise value	Under the ambient noise of 35dB, the measured distance is 45dB at a distance of 50cm									

3. **Motor control**





Note: According to the motor wiring diagram, the positive pole of the power supply is connected to the positive, the negative pole is connected to the negative.

三、Adapter hose

Pump tube material	Characteristic	Standards compliant	Tube number
Silicone tube (S)	Low adsorption, good temperature resistance, good resistance to chemical corrosion, life over 200 h	RoHS Comply with food grade certification (GB 4806.11-2016)	01# 02# 04# 06# 08# 10#
BPT tube (B)	Resistance to common chemicals, acid and alkali and oxidation resistance life over 1000 h	RoHS FDA	04# 12# 06# 08#

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四、Optional accessories

name	Specifica	tions	Function introduction
	1/16 Straight Pagoda Connector		1mm×3 mm hard tube or similar flexible tube can be connected externally
connector	3/32 straight connector	-	2 mm×4 mm hard tube or similar flexible tube can be connected externally
	1/8 straight connector	#	3mm×5 mm hard tube or similar flexible tube can be connected externally
Anti-floating sinking head	Diameter 6mm diameter 2.5mm	40	Place the inlet of the pump tube completely in the liquid to ensure that the peristaltic pump tube can fully absorb the liquid

