

KMPP Series Peristaltic Pump

Product Manual

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Kamoer Fluid Tech (Shanghai) Co.,Ltd.

KMPP KMPP Series Peristaltic Pump Profile

Motor Selection - The KMPP series peristaltic pump is a miniature peristaltic pump driven by a DC geared motor with a 3.7V DC motor.

Pump tube selection - The pump tube is made of silicone tube (S) with a wall thickness of 0.5 mm.

Installation method - there are two installation methods (see the attached drawing)

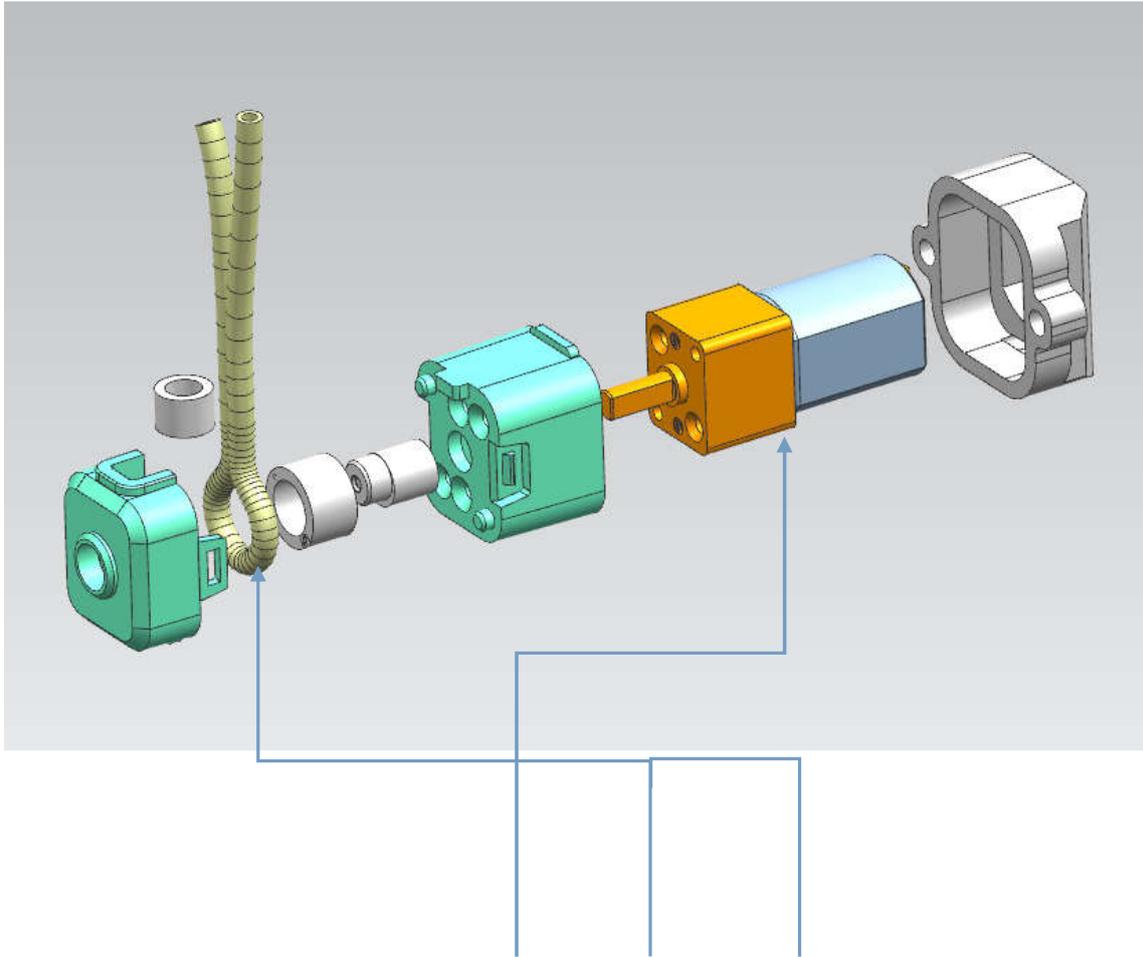
Transmission mode - transmission mode is DC geared motor drive

The main material - the pump casing is made of PP plastic, and the internal moving parts are POM plastic.

Performance Characteristics

- ◆ Suitable for viscous, non-viscous liquid transport
- ◆ Compact structure and high maintenance
- ◆ Micro flow rate

Tube	Material	Tube lifetime
S	Silicon tube	≥200h



KMPP - D3.7 S 11

Motor Tube Material Tube size

Tube	Material	Tube lifetime
S	Silicon tube	$\geq 200\text{h}$

Note: The above test data is measured with a pump head at speed of 100 rpm/min for continuous uninterrupted operation, and the room temperature is 20 ° C pure water without pressure until the pump tube is cracked. Pump head speed different, pump tube life is not the same. In general, the slower the pump head speed is, the longer the pump tube life. The actual service life is affected by factors such as medium, working condition, temperature and humidity, voltage, etc. The test data is used as a reference.

Performance Parameter Chart

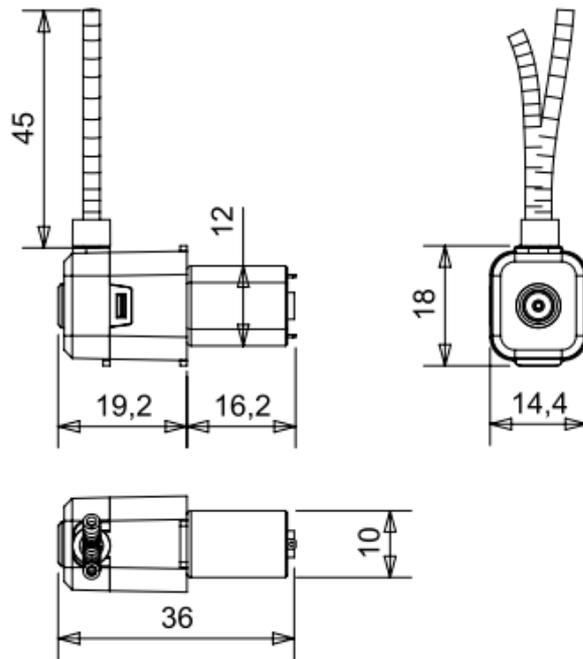
ID X OD(mm)		2x3
Materials		Silicone tube
Flow ml/min	(3.7V) 0.1A	≈ 1.8 ml/min (100rpm)

Note: The above flow parameters are measured by pure water without pressure under the standard atmospheric pressure of 20 °C. Actually, according to different media, the outlet pressure is different, the DC motor speed error, etc., the flow will have a certain error, the data is used as a reference, the current value is the thickest tube type reference current, actually affected by the lift, viscosity, length of the inlet and outlet!

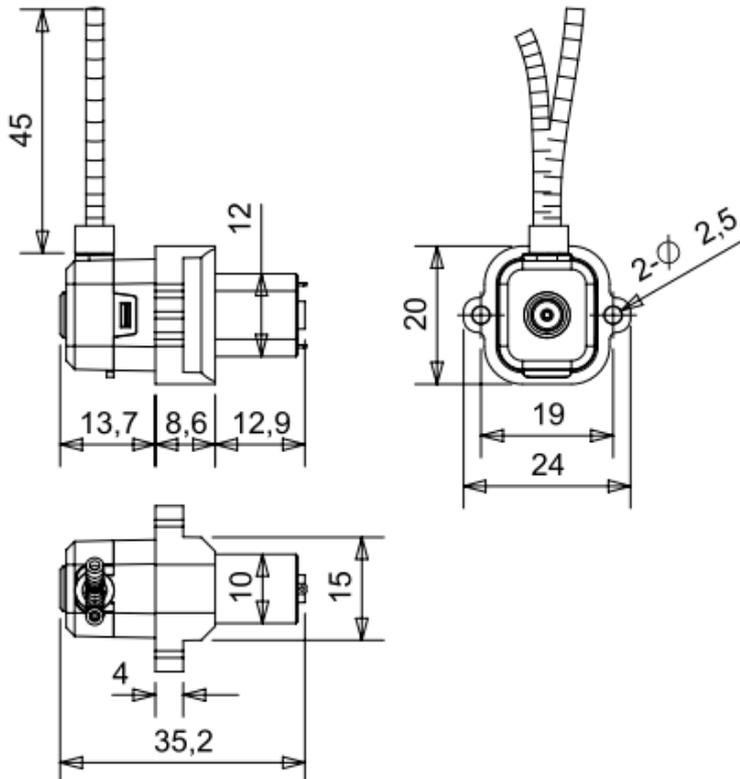
Pipe Joint Correspondence Table

No.	Fitting Specification	φPump Tube ID
1	1/16	1≤φ≤2

Dimension Drawing



Dimension Drawing with Rubber Shock-absorbing mount



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