



# NKP series

Mini Peristaltic Pump



## Features

- Convenient and quick replacement of pump tube
- The forward and reverse rotation of the pump can be changed by control
- Low noise and low cost
- Simple structure, maintenance-free
- With three rotors, moderate pulsation

## Applications

- Sweeping robot
- Fuel stoves
- Soap dispenser
- Fully automatic liquid-based cell dyeing machine



## Code Description

NKP- **DA** - **L** - **S** **06** **B**

Motor	<b>DA</b>	24V DC brushed motor (current 0.3A)
	<b>DC</b>	12V DC brushed motor (current 0.25A)
	<b>DE</b>	6V DC brushed motor (current 0.15A)
Bracket	<b>L</b>	L type bracket
		Blank means straight bracket
Tubing Material	<b>B</b>	PharMed® BPT tubing
	<b>S</b>	Silicone tubing
Tubing Size (ID x OD)	<b>04</b>	1mm x 3mm
	<b>06</b>	2mm x 4mm
	<b>08</b>	2.5mm x 4.5mm
Head Color	<b>B</b>	Blue
	<b>Y</b>	Yellow
	<b>G</b>	Green
	<b>D</b>	Black

## Flow Rate (unit: ml/min)

Code	S04	S06	S08	B06	B08
DA (24V)	≥10	≥38	≥59	≥34	≥48
DC (12V)	≥10	≥37	≥55	≥33	≥47
DE (6V)	≥10.5	≥36	≥60	≥38	≥48

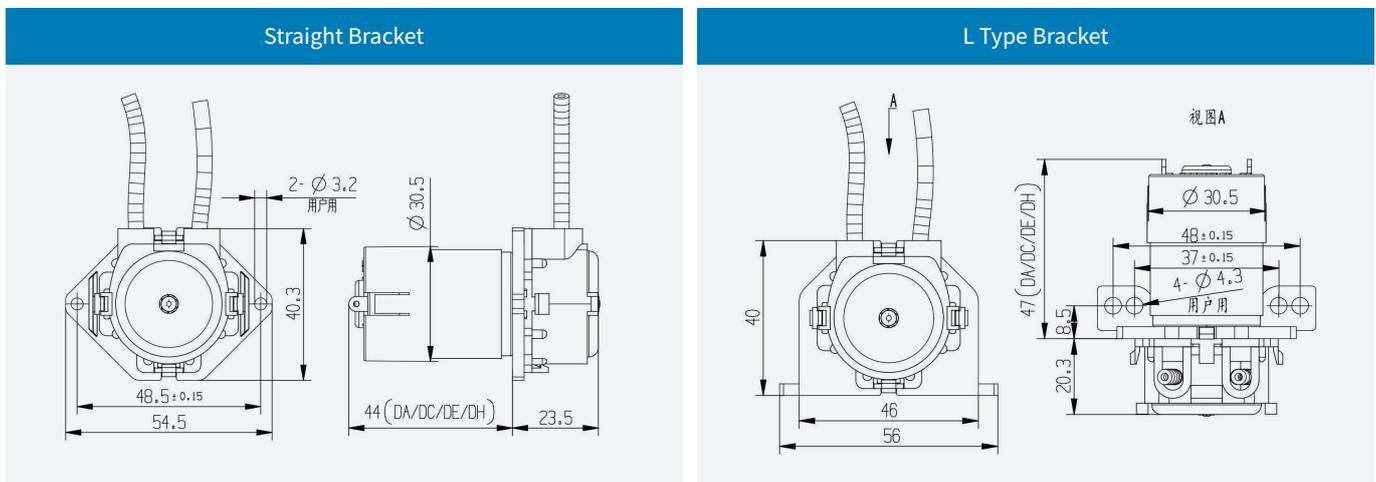
Note: The above flow parameters are measured at 20°C room temperature and standard atmospheric pressure. Actually, depending on the medium, the outlet pressure is different, the DC motor speed error etc, the flow will have a certain error, the measured data as a reference.

## Pump Tubing

Code	Tubing Material	Performance	Lifetime
B	PharMed® BPT tubing	<ul style="list-style-type: none"> <li>Great resistant to general chemicals, acid, alkali and oxidizing agents</li> <li>Compatible with virtually all commercial cleaners and sanitizers</li> </ul>	≥1000H
S	Silicone tubing	<ul style="list-style-type: none"> <li>Low adsorption, good temperature resistance, not easy to aging</li> <li>Suitable for transporting various low-corrosive liquids</li> </ul>	≥200H

Note: The above test data is measured when the pump head runs continuously and uninterrupted at a speed of about 280 rpm, and the room temperature is 20 °C pure water without pressure until the pump tube cracks. The actual service life is affected by factors such as medium, working conditions, temperature and humidity, voltage, speed, etc. The test data is for reference.

## Dimensions (unit: mm)



## General Specifications

Pump tubing length	BPT tubing: 135mm (exposed 29.5mm) Silicone tubing: 175mm (exposed 49.5mm)
Working conditions	Ambient temperature: 0~40°C Relative humidity: <80°C
Weight	About 110g