

BP200 Series Peristaltic Pump

(DC with brush)

Product manual

Version A / 01

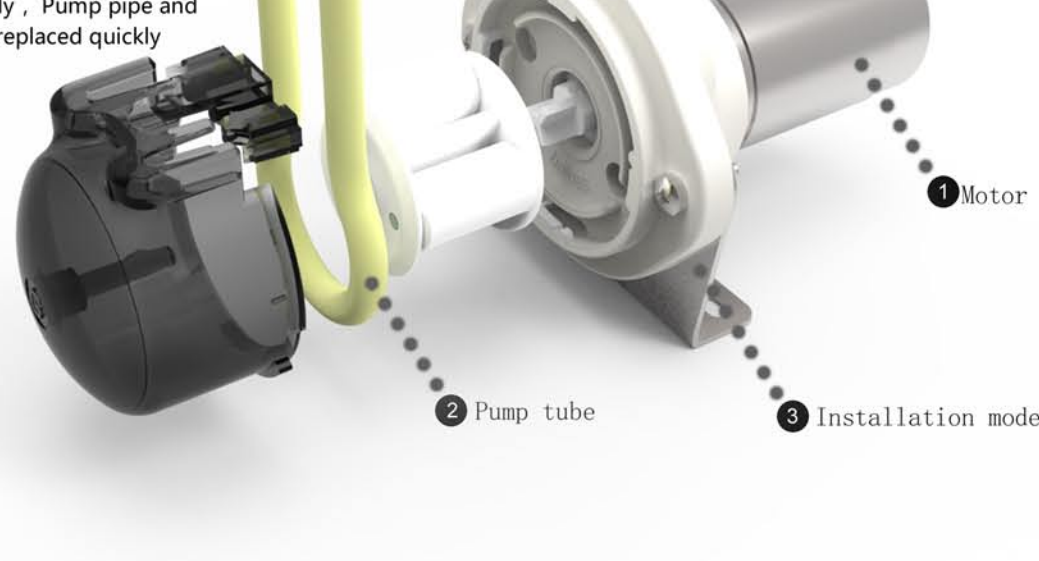
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BP200 Selection Guide

Structural decomposition

Performance characteristics

- ◆ Suitable for viscous and non-viscous liquid transmission
- ◆ Small size, compact structure and light weight
- ◆ Gear drive, High-reliability, Low noise
- ◆ Maintenance friendly, Pump pipe and pump head can be replaced quickly



BP200

DC24

B30


B

1

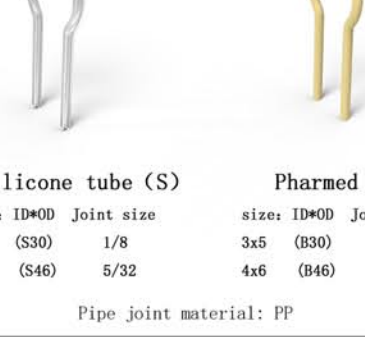
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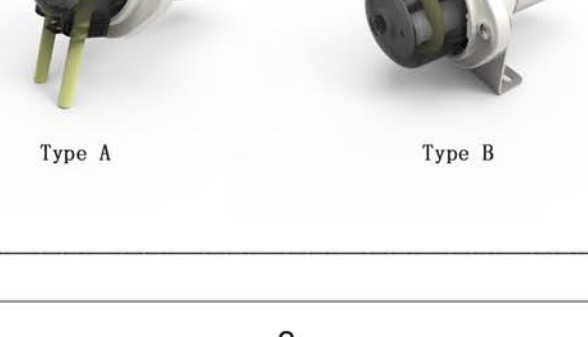
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DC24V: 24V DC brush motor
Voltage: 24 V / 12 V

2


silicone tube (S) Pharmd BPT
size: ID*OD joint size size: ID*OD joint size
3x5 (S30) 1/8 3x5 (B30) 1/8
4x6 (S46) 5/32 4x6 (B46) 5/32
Pipe joint material: PP

3

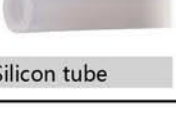
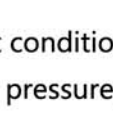

Type A Type B

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BP200 Selection Guide

Performance and flow parameter table of pump pipe

■ Type of tube

Code/Material	Features	Pump pipe service life
B  Import Pharmd®BPT	No cytotoxicity and hemolytic, resistance to ozone and UV rays, heat,ozone, acid and alkali resistance, anti - aging anti - oxidation, long life.Operating temperature range -51 °C ~132 °C	≥1000h
S  Silicon tube	Low cost, weak acid and alkali resistance, corrosion resistance to chemicals compared to the BPT pump pipe	≥200h

※The test conditions of the above data are as follows: under the condition of 20 °C, pure water without pressure, BP200 3 rotor pump head is used to continuously run at 430 RPM until the pump pipe cracks.The service life of pump pipe is different when the speed of pump head is different.In general, the slower the pump head speed, the longer the pump pipe life.The actual service life is affected by the medium, working condition, voltage and other factors. The test

■ Flowrate

Tube Material		S	S	BPT	BPT
Floefate ml/min	24V 24V brush motor 0.3A	140	230	130	210
	12V 24V brush motor 0.6A	140	230	130	210

Working conditions: ambient temperature 0 – 40 °C, relative humidity < 90 %

Working conditions: ambient temperature 0 ~ 40 °C, relative humidity < 80%


Note

1. Test method: normal temperature (20 °C), Pure water test under normal pressure;
- 2.The above flow parameters are for reference only, and the flow rate will have deviation according to different liquid, pressure and pipe length;
- 3.Pump pipe material, flow rate and control mode can be customized according to requirements

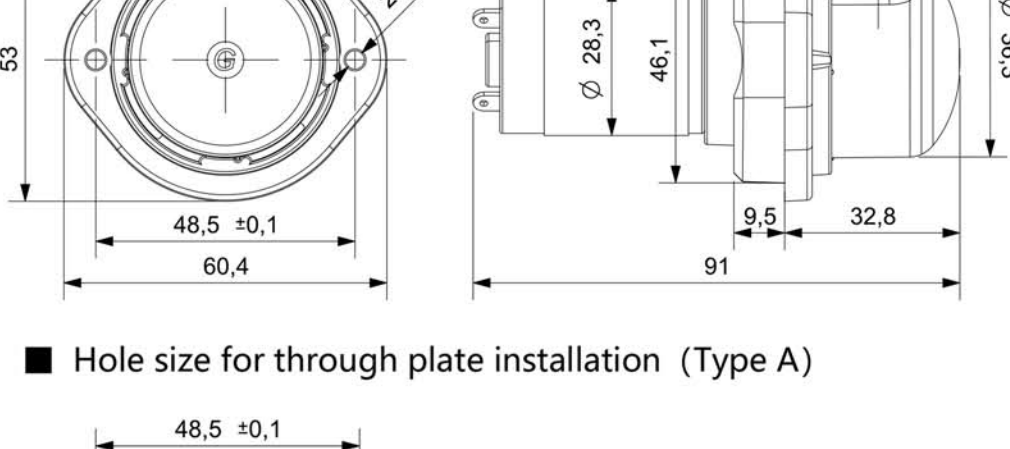
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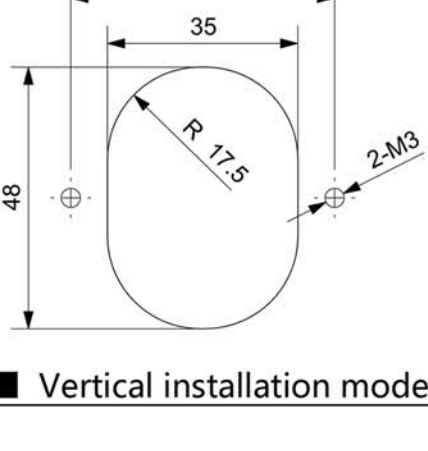
Installation mode




■ Installation method of through plate (Type A)

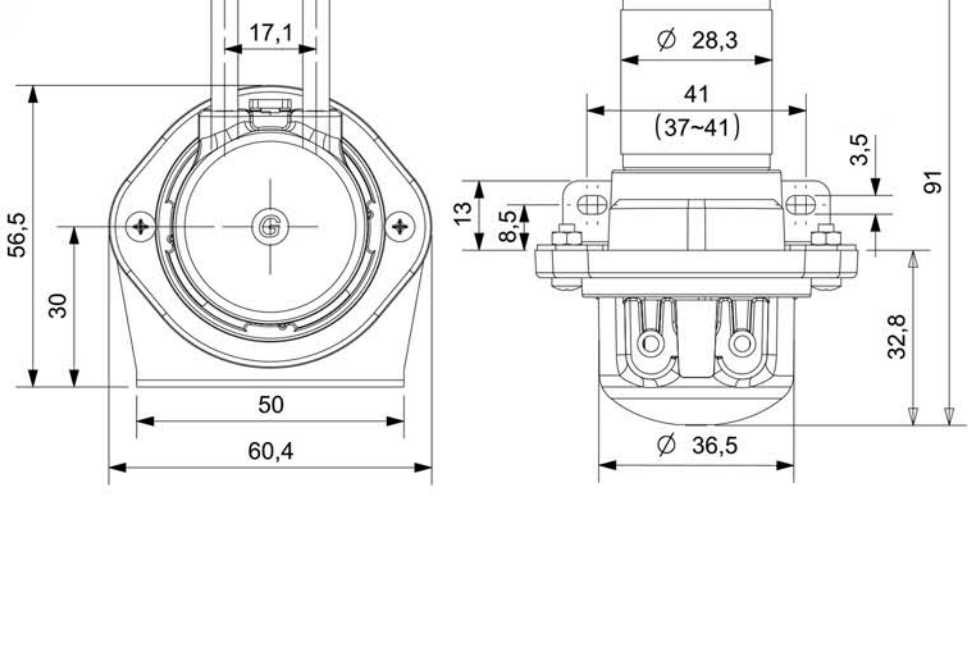


■ Hole size for through plate installation (Type A)





■ Vertical installation mode (Type B)

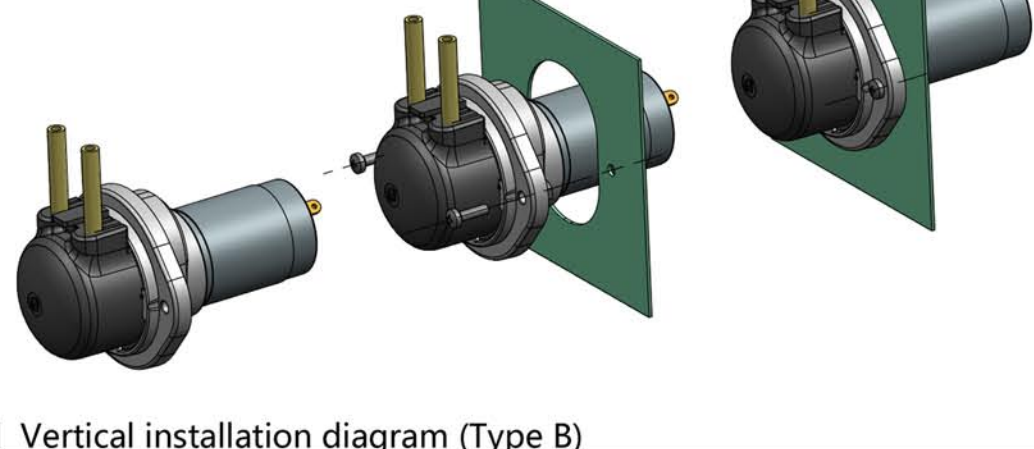


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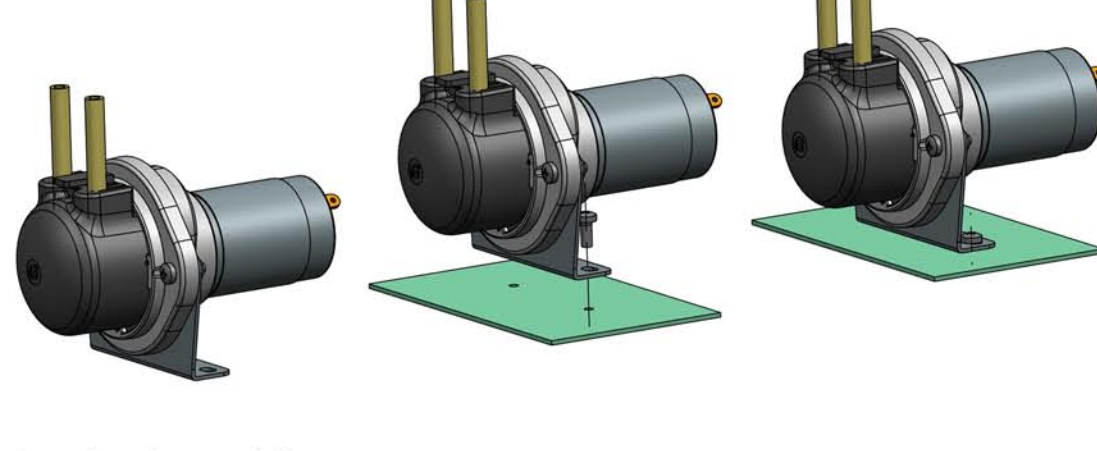
BP200 Selection Guide

Installation diagram / pump head direction diagram

■ Installation diagram of through plate (Type A)




■ Vertical installation diagram (Type B)

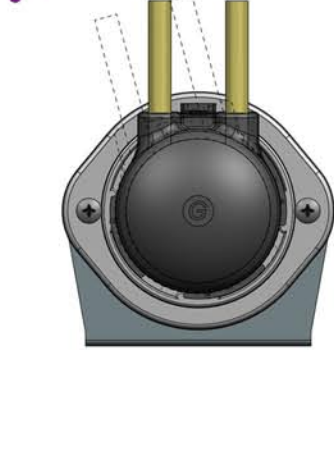


■ Pump head removal diagram

1 Load the corresponding position in the direction of the Arrow



2 Clockwise rotation 15° slot in place
Rotor rotation is recommended clockwise,
The orientation of the entrances and exits
is shown below



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