

BP600 Series Peristaltic Pump (DC motor)

Product manual

Version A / 2

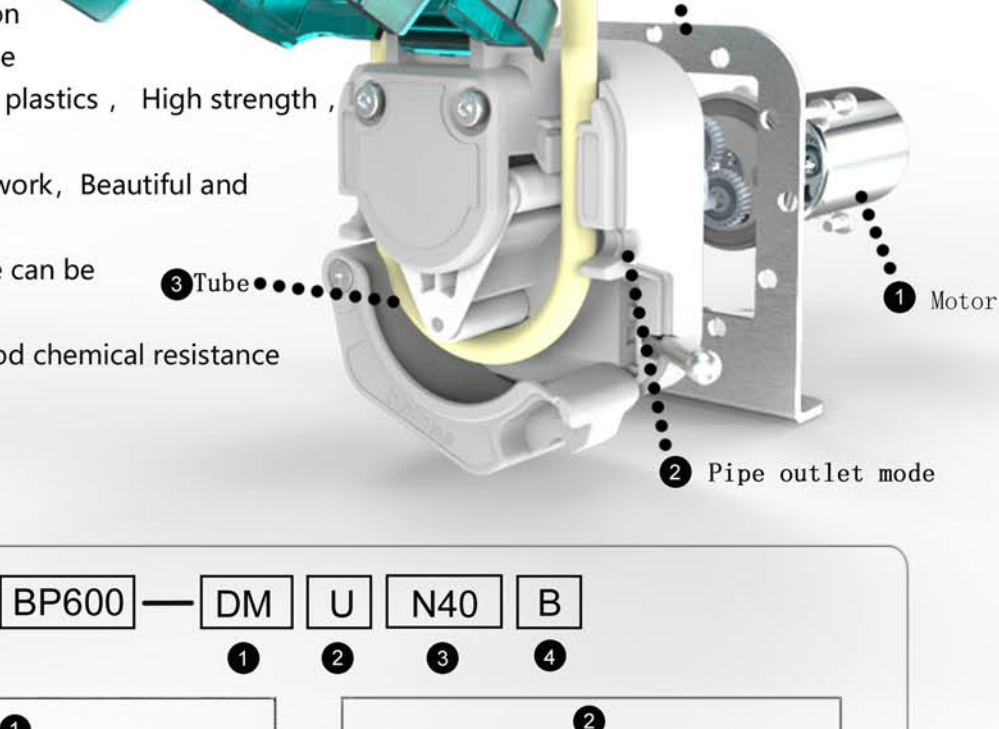
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Structural decomposition

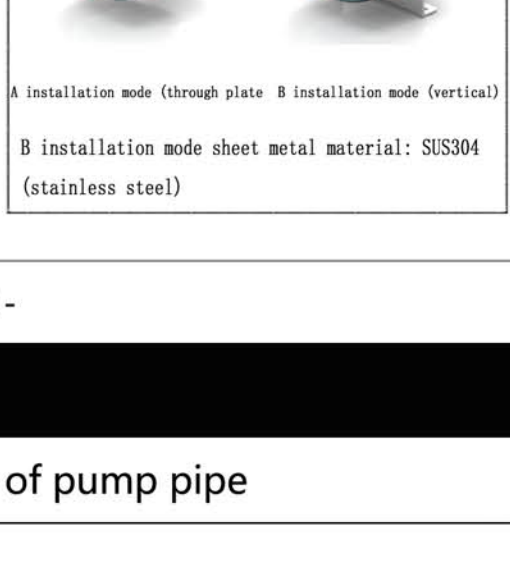
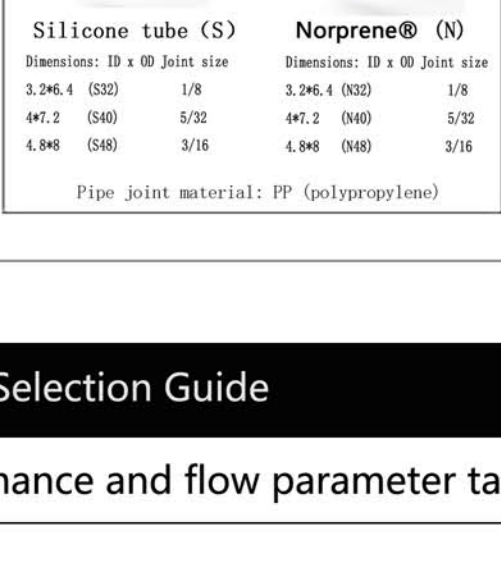
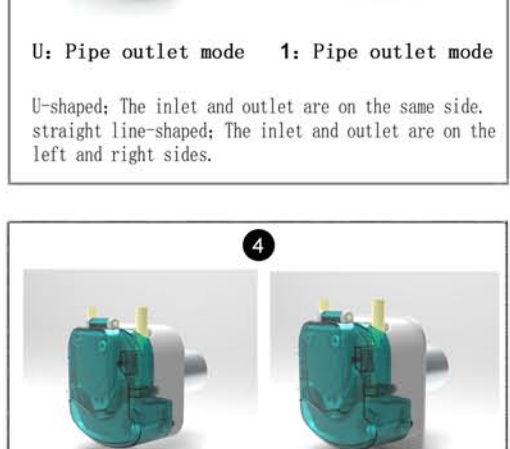
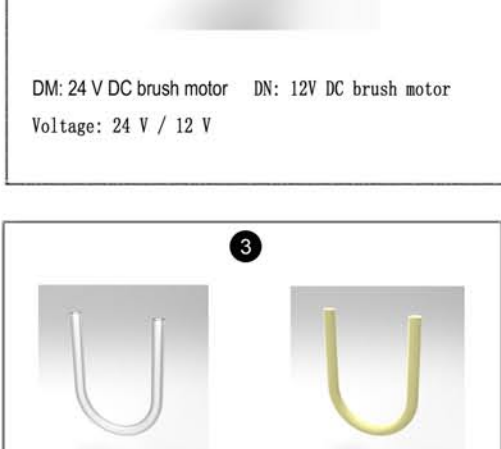
Performance characteristics

- ◆ The spring compensation structure can prolong the service life of the pump pipe, prevent the liquid backflow and the negative pressure is stable
- ◆ Gear transmission , Long life
- ◆ Double bearing transmission , Long life, Maintenance free
- ◆ Strengthening engineering plastics , High strength , Stable performance
- ◆ ransparent shell , Visible work, Beautiful and generous
- ◆ The direction of pump pipe can be switched at will
- ◆ Imported pump pipe , Good chemical resistance



BP600 — DM U N40 B

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Performance and flow parameter table of pump pipe

■ Tube

Code / Material of pump pipe	Performance characteristics	Pump tube life
N Import Norprene®	Meeting the FDA certification and is very suitable for food and dairy products. Heat and ozone resistance, acid and alkali resistance, anti-aging, oxidation resistance, long life, working temperature range -59 degrees -135 C	≥1000h
S Silicone tube	Low cost, weak acid and alkali resistance, chemical corrosion resistance is worse than the above NP pump pipe, service life is lower than NP pump pipe	≥200h

※ The test conditions of the above data are as follows: under the condition of 20 °C, pure water without pressure, bp600 three 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

■ Flow parameters

Pump pipe code	S32	S40	S48	N32	N40	N48		
ID×OD	3.2X6.4	4X7.2	4.8X8	3.2X6.4	4X7.2	4.8X8		
Tube material	S	S	S	Norprene®	Norprene®	Norprene®		
Flow-rate ml/min	24V DC	0.3A	320	500	660	320	500	660
	12V DC	0.6A	320	500	660	320	500	660

Ideal 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 data is 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

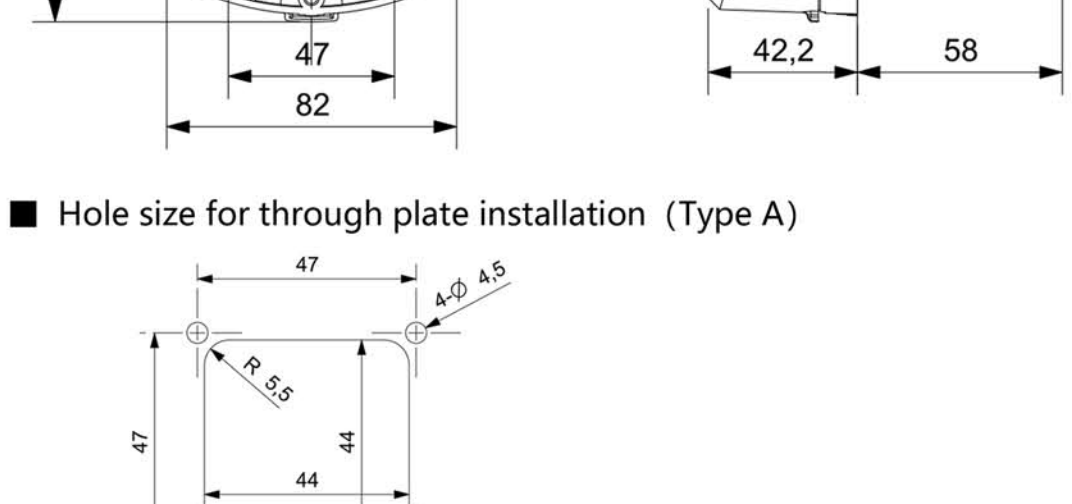
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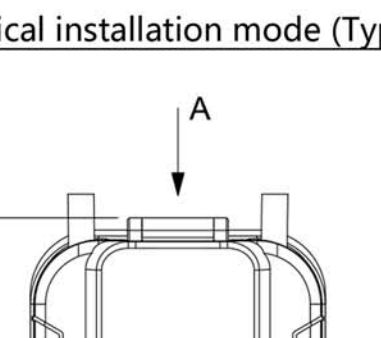
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Installation mode

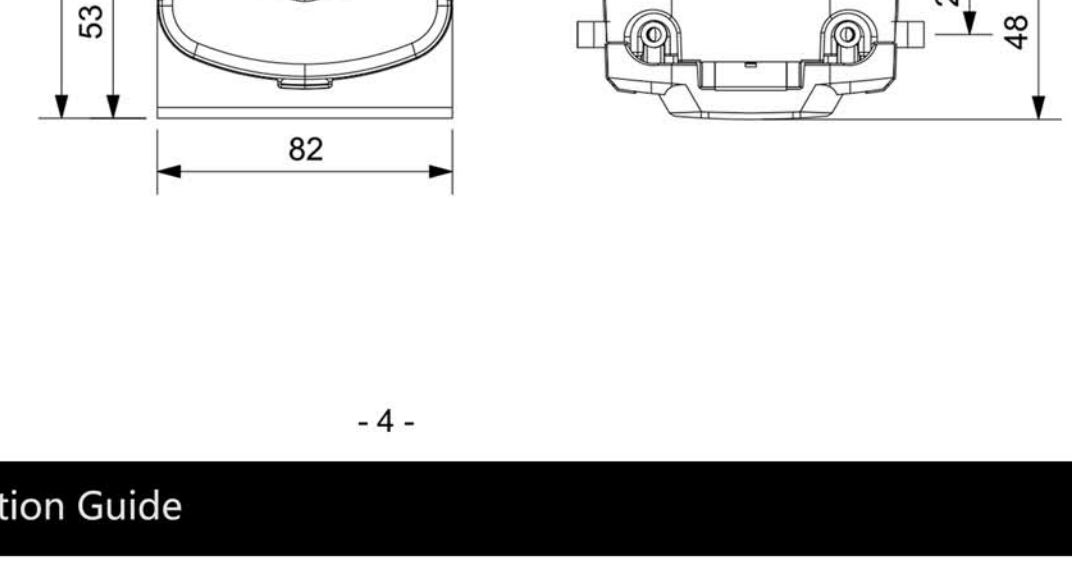
■ Installation method of through plate (Type A)



■ Hole size for through plate installation (Type A)



■ Vertical installation mode (Type B)

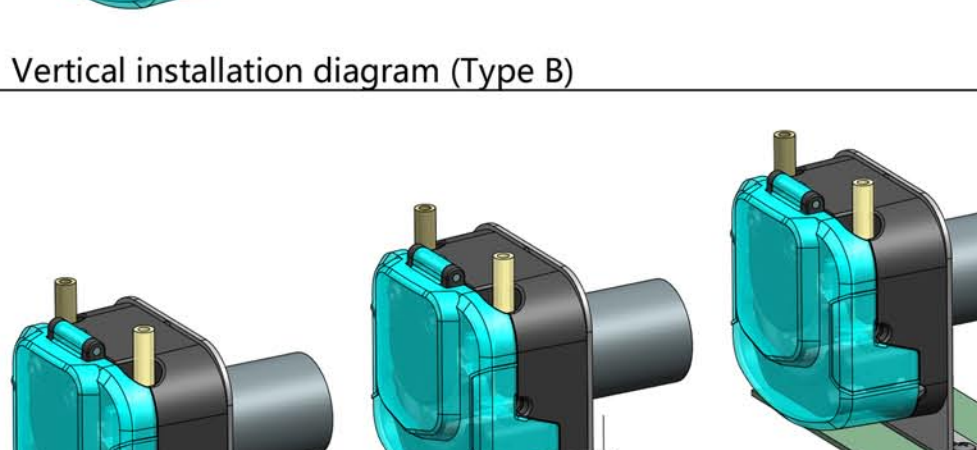


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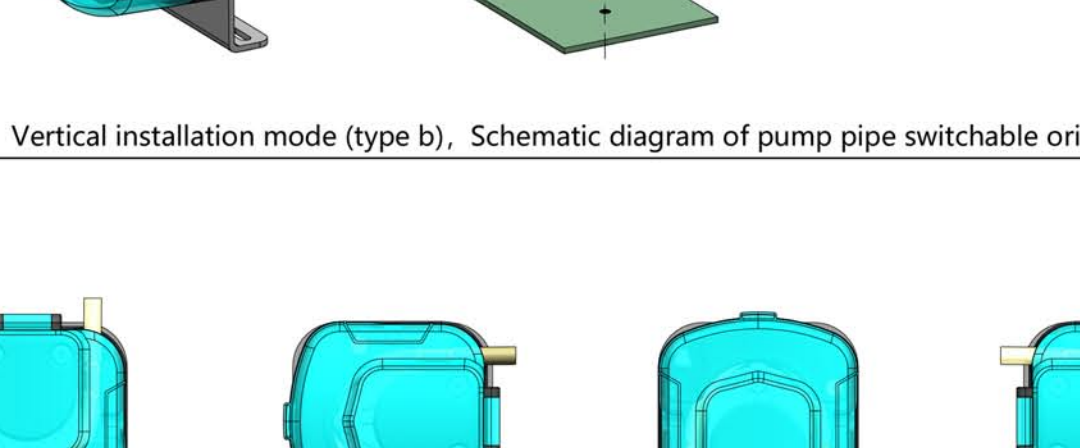
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Installation diagram / pump head direction diagram

■ Installation diagram of through plate (Type A)



■ Vertical installation diagram (Type B)



■ Vertical installation mode (type b), Schematic diagram of pump pipe switchable orientation



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