

ZP100 DC speed regulation Complete pump



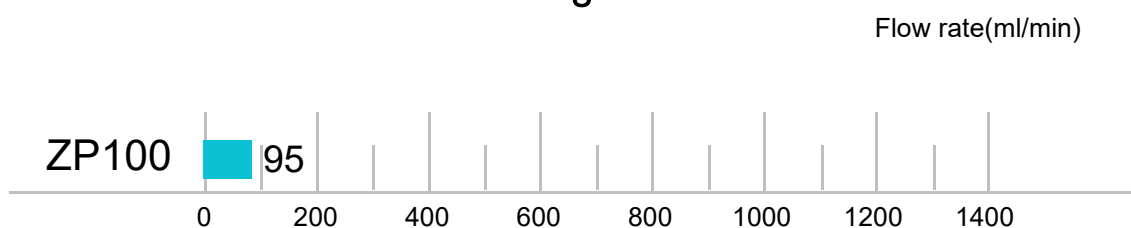
● Structural decomposition

- Quick replacement of pump head; Pump pipe
- Adjustable flow rate
- Liquid flow can be changed
- Pump case color is available
- Food grade pump tube, compliant with FDA standards
- 24V DC power supply, safe low voltage



● Model Interpretation

Flow diagram



ZP100

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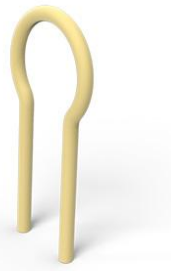
S10

1

1



S:Silicone Tube



B:Pharmed BPT

● Pump tube selection

Code/Material	Features	Tube life
B  PharMed 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

Pump tube life testing method:

ZP100 machine pump, speed: 350r/min, temperature 20 °C, Test liquid: water, continuous operation test. The slower the rotational speed of the peristaltic pump, the longer the service life of the pump tube. The service life of the pump tube may vary depending on the operating conditions, pipeline pressure, and liquid corrosiveness.

● Flow parameter

Tube Species	S10/B10	S15/B15	S20/B20	S25/B25	S30/B30
ID×OD	1X3.2	1.5X3.5	2X4	2.5X4.5	3X5
Tube Materials	Silicon tube/BPT	Silicon tube/BPT	Silicon tube/BPT	Silicon tube/BPT	Silicon tube/BPT
Flow rate ml/min	3.5–11	9–26	10–40	18–60	21–95
deal working conditions: ambient temperature 0–50 degrees, relative temperature less than 80%					

Flow testing method:

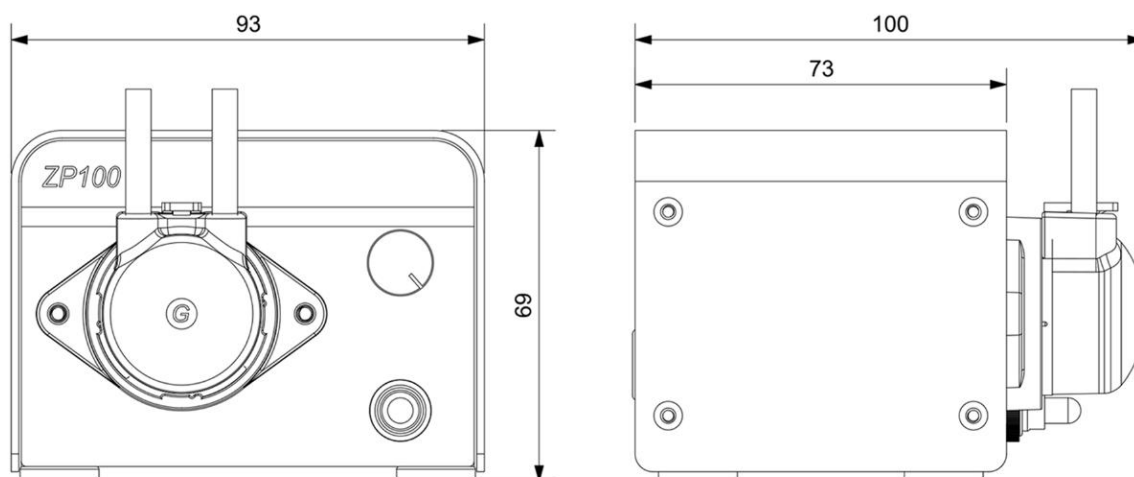
Water test at room temperature (20 °C) and atmospheric pressure.

The above data is for reference only, and there may be deviations in flow rate depending on different liquids, pressures, and pipeline lengths.

The material, flow rate, and control method of the pump tube can be customized according to the needs.

● Installation method

Outline dimensional drawing



Pump head direction can be changed



Packing list



Host 1



1 power adapter



Silicone tube 2 meters