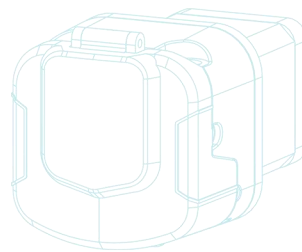
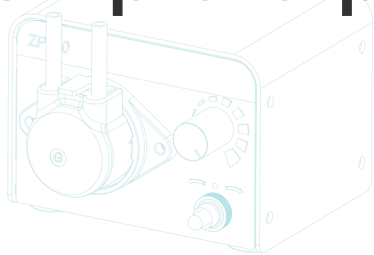


# ZP300 DC speed regulation Complete pump



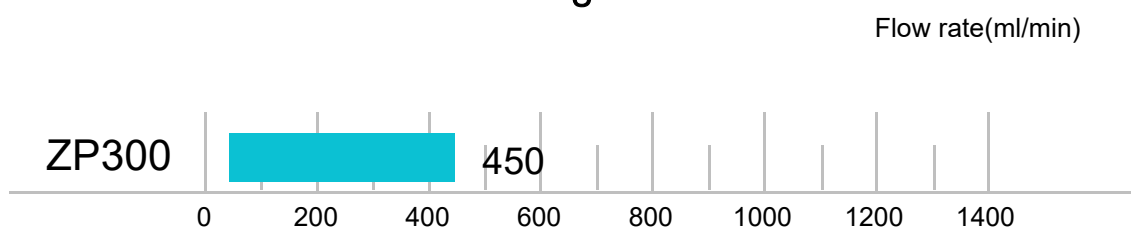
## ● Structural decomposition

- 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



ZP300

—

S32H

1

1



S:Silicone Tube



N: Norprene



B:Pharmed BPT

## ● Pump tube selection

| Code/Material                                                                                              | Features                                                                                                                                                                                   | Tube life |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>B</b> <br>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    |
| <b>N</b> <br>Norprene     | FDA approved, ideal for food and dairy applications. Heat and ozone resistant, Acid and alkali resistance, anti-aging, anti-oxidation, long life. Operating temperature range -59°C~135°C  | ≥1000h    |
| <b>S</b> <br>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:

ZP300 machine pump, speed: 430r/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                                                                                  | S32/N32               | S40/B40          | S48/N48               |
|-----------------------------------------------------------------------------------------------|-----------------------|------------------|-----------------------|
| ID×OD                                                                                         | 3.2X6.4               | 4X7.2            | 4.8X8                 |
| Tube Materials                                                                                | Silicon tube/Norprene | Silicon tube/BPT | Silicon tube/Norprene |
| Flow rate<br>ml/min                                                                           | 70–235                | 90–320           | 120–450               |
| deal working conditions: ambient temperature 0–50 degrees, relative temperature less than 80% |                       |                  |                       |

Flow testing method:

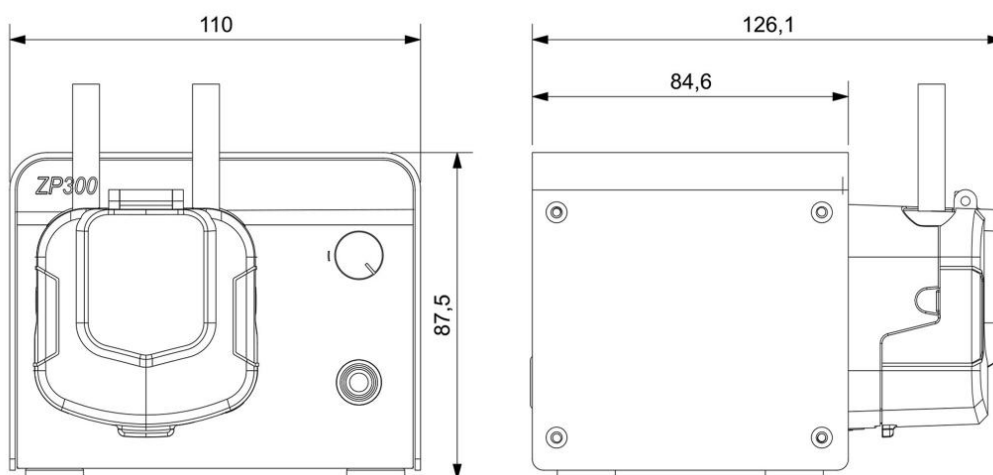
Water test at room temperature (20 °C) and atmospheric pressure.

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