

Dispensing Peristaltic Pump

BT100-1F

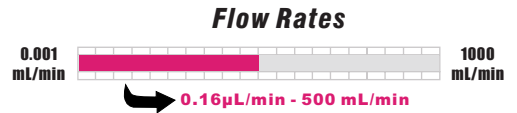
Applicable pump heads for BT100-1F are YZ1515x, YZ2515x, YZII15, YZII25 and DG-1, DG-2, DG-4. The pump delivers flow rates from 0.02 μL to 480 mL/min and dispensing volume is from 0.01 mL to 9900 mL. Combining 128*32 LCD display with membrane keypad and rotary coded switch makes the operation easy and prompt. The speed can be adjusted manually or automatically through external control interface.



Functions and Features

- Acceptable pump heads: YZ1515x, YZ2515x, YZII15, YZII25 and DG-1, DG-2, DG-4
- Micro flow rates transferring: The smallest flow rate can reach 0.16 $\mu\text{L}/\text{min}$
- Back suction function: In dispensing mode, the pump runs reversely after stopping to prevent the liquid from dripping
- Operating mode: Membrane keypad and rotary coded switch
- Speed control: The speed can be adjusted manually or automatically through external control interface
- Display: LCD displays current running status
- MAX key: For fast filling and emptying
- Memory function: Storing the running parameters automatically
- Calibration function: The flow rates and the dispensing volume can be calibrated to increase the accuracy
- Communication function: Realize computer control through RS485 communication interface

Drive	Part Number	Pump head	Tubing	Flow Rate (* /min)	Weight (kg)
BT100-1F	5225001	YZ1515x, YZII15	13" 14" 19" 16" 25" 17" 18"	7 μL - 380 mL	4.2
		YZ2515x, YZII25	15" 24" 35" 36"	0.17 mL - 500 mL	4.2
		DG-1, DG-2, DG-4 (6rollers, 10rollers)	0.5 \times 0.8 1 \times 1 2 \times 1 2.4 \times 0.8 (I.D. \times Wall thickness) 0.13 \times 0.91 0.25 \times 0.91 0.51 \times 0.91 (I.D. \times Wall thickness) 1.02 \times 0.86 1.65 \times 0.86 2.79 \times 0.86 3.17 \times 0.86 (I.D. \times Wall thickness)	0.16 μL - 26 mL (single channel) 0.16 μL - 44 mL (single channel)	4.0 - 4.2



Flow Rate Dispensing

Applicable Pump Heads



Specifications

- Flow rates: 0.16 $\mu\text{L}/\text{min}$ to 500 mL / min
- Dispensing volume: 0.01 mL to 9.99 L
- Speed: 0.01 rpm to 100.0 rpm
- Copy number: 0 to 9999
- Pause time : 0.1 s to 99.90 min
- Back suction time : 0 to 99.9 s
- External control input interface: start/stop control, direction control, flow rates control(0 - 5V , 0 - 10V , 4 - 20 mA , 0 - 10KHz optional)
- Output interface: start/stop, direction output and 0 - 10 KHz frequency output (corresponding to 0 to 100.0 rpm) with insulating function
- Communication: RS 485
- Power: AC 100 - 240 V \pm 10% 50/60 Hz
- Power consumption: < 40 W
- Operating condition: Temperature 0 to 40°C
Relative humidity < 80%
- Dimensions (L \times W \times H):
292 \times 185 \times 180 (mm)
- Drive Weight: 3.8 kg
- IP rating: IP 31

