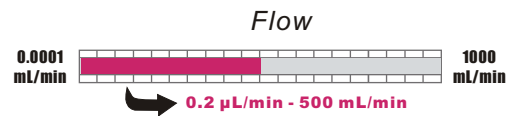


Dispensing Peristaltic



DBT100-1F

Acceptable pump heads for DBT100-1F are DYZ1515x, DYZ2515x, DYZII15, DYZII25 and DDG-1, DDG-2, DDG-4. The pump delivers flow rates from 0.2 µL to 500 mL/min and dispensing volume is from 0.01 mL to 9900 mL. Combining 128×32 LCD display with membrane keypad and rotary encoded switch makes the operation easy and prompt. The speed can be adjusted manually or automatically through external control interface.



Applicable Pump Heads



DYZ1515x
DYZ2515x



DDG-4



DYZII15
DYZII25



DDG-1
DDG-2

Specifications

Flow rates: 0.2 µL / min to 500 mL / min

Dispensing volume: 0.01 mL to 9.99 L

Speed: 0.1 rpm to 100.0 rpm

Copy number: 0 to 9999

Pause time: 0.1 s to 99.9 min

Back suction time: 0 to 99.9 s

External control: start/stop control, direction control, flow rates control(0 - 5V ,0 - 10V , 4 - 20 mA , 0 - 10 kHz optional)

Signal output: start/stop, direction output and 0 - 10 kHz frequency output (corresponding to 0 to 100.0 rpm) with insulating function

Communication: RS485

Power supply:

AC 100 - 240V ± 10% 50Hz/60Hz

Power consumption: < 40 W

Operating condition:

Temperature 0 to 40°C

Relative humidity < 80%

Dimensions (L × W × H):

285×207×180(mm)

Drive weight: 3.8 kg

IP rating: IP 31



Functions and Features

Acceptable pump heads: DYZ1515x, DYZ2515x, DYZII15, DYZII25, DDG - 1, DDG - 2, DDG - 4

Micro flow rates transferring: The smallest flow rate can reach 0.2 µL/min

Back suction function: In dispensing mode, the pump runs reversely after finishing one filling operation to prevent the liquid from dripping

Operating mode: Membrane keypad and rotary encoded switch

Speed control: The speed can be adjusted manually or automatically through external control interface

Display: LCD displays current running status

Prime 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		Weight(kg)
DbT100 - 1F	D0502132	DYZ1515x , DYZII15	13 [#] 14 [#] 19 [#] 16 [#] 25 [#] 17 [#] 18 [#]	7 µL - 380 mL	4.2
		DYZ2515x	15 [#] 24 [#]	0.17 mL - 500 mL	
		DYZII25	15 [#] 24 [#] 35 [#] 36 [#]		
		DDG - 1, DDG - 2, DDG - 4 (6 rollers)	Wall Thickness : 0.8 - 1.0(mm) Inner Diameter : ≤ 3.17 mm	0.25 µL - 48 mL (single channel)	4.0 - 4.2
		DDG - 1, DDG - 2, DDG - 4 (10 rollers)		0.2 µL - 32 mL (single channel)	