

BT600M/YZ25 III

Basic type peristaltic pump

Flow: 0.175-3000mL/min

Using tubing: 15#, 24#, 35#, 36#

Application: Commonly used in the transmission of various liquids, such as pharmaceutical, food, chemical, biological, laboratory and other industries; with external control function, economical, easy-load pump head makes changing tubing is convenient and fast, suitable for occasions where tubing replacement is often needed. The wall thickness is relatively thick, and it is better at handling viscous liquids.

Characteristics

1. The three-digit high-brightness digital tube displays the rotation speed and has a full-speed function, which can be used to quickly fill or clean.
2. Adopt "dual CPU" control, drive and control separation, fast operation speed, stable operation, high transmission accuracy.
3. Rich external control functions are available. For example, the DC12V output is convenient for direct connection to a variety of sensors, capacitive sensors, liquid level sensors, photoelectric sensors, etc.; the product hardware reserves a variety of circuit interfaces to meet the special customization needs of customers.
4. A stepper motor is used to control the rotation speed, which is not affected by the load change, high torque, low power consumption, and strong adaptability.
5. The drive circuit has excellent performance, good heat dissipation, low working noise, stable operation, and power-down memory function. The internal circuit is treated with three-proof, excellent anti-interference performance, wide voltage design, suitable for complex power supply environment.
6. BT-M series products can be used in stacks to save space; various pump heads can be installed.
7. The product is the third generation easy-installed peristaltic pump head, with the dustproof function of the roller (see the picture on the right for details)
8. With pressure adjustment function; gasket upgrade PTFE gasket, anti-aging, corrosion resistance, and extend the life of the pump head.
9. Suitable for 4 types of tubes: 15#, 24#, 35#, 36#, better at handling viscous liquids.
10. Automatically adapt to the card tube device, convenient and fast to install the tubing.
11. Multiple pump heads can be connected in series; four rollers to reduce pulsation.
12. The imported polyphenylene sulfide (PPS) material is used, which is resistant to high temperature and chemical corrosion (especially excellent in resistance to strong chemical corrosion such as organic solvents), stable in size, accurate in flow rate and capable of long-term heavy-load movement.
13. There is a special dust cover on the back to prevent the eccentric wheel structure from being polluted by dust and other things, and the maintenance is simpler.



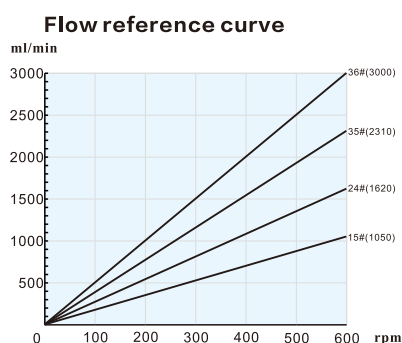
The roller is dustproof and waterproof, extending the life of the pump head

After a lot of practice, the life of the pump head of the peristaltic pump mainly depends on the life of the pump head roller. The reason is that during the use of the pump head, the roller bearing will be contaminated due to factors such as tubing rupture and harsh environmental conditions, causing irreversible injury. The YZ series peristaltic pump head roller seal can effectively prevent the roller bearing from being contaminated, greatly extending the service life of the pump head, and the roller bearings are made of corrosion-resistant stainless steel.

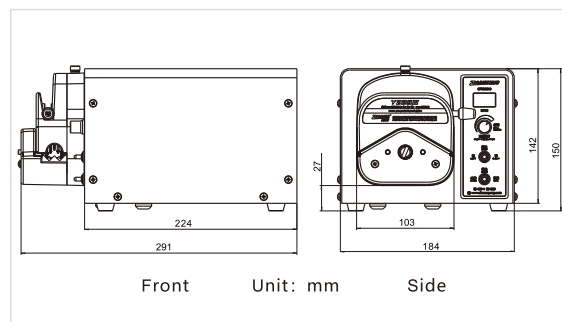


Using tubing and flow range

Tubing	Tubing size ID*wall mm	Flow (mL/min) (0.1-600rpm)
15#	4.8*2.4	0.175-1050
24#	6.4*2.4	0.27-1620
35#	7.9*2.4	0.385-2310
36#	9.6*2.4	0.5-3000



Size



Specification

Drive model		Pump head model	
BT600M		YZ25 III	
Technical index	RPM	Technical index	Using tubing
	0.1-600rpm		15#, 24#, 35#, 36#
Speed resolution	0.1rpm(≤100rpm) ; 1rpm(> 100rpm)	Flow range	0.175-3000mL/min
Display	Three-digit LED	Tubing wall	2.4mm
Operation	Toggle switch + Digital control knob	Pressure adjust	Yes
Power	≤50W	Roller seal	Yes
Weight	6.5kg	Factory pressure	0.15Mpa
Protection level	IP31	Shell material	PPS
Shell material	Galvanized sheet spray	Roller material	SS
Working environment	Temperature, 0°C to 40°C; Relative humidity < 80%	Roller No.	4
External speed control	0-5V (optional), 0-10V (optional), 4-20mA (standard), 0-10K (standard)		
Type of external control	Start /stop, Direction change 【TTL 5V (standard), TTL 12V (optional), TTL 24V (optional)】		
Port output	DC12V Power Output; DC5V TTL Output (optional)		
Communication Interface	RS232, RS485 (Start/stop, Direction change, speed control)		
Power supply	AC220V±10%, 50Hz/60Hz(standard); AC110V±10%, 50Hz/60Hz; AC380V±10%, 50Hz/60Hz(optional)		