



PRECISION **PERISTALTIC PUMPS**

by BINACA PUMPS

LABORATORY PUMPS **Model: 5000 Series**



Models: 5001, 5003, 5006

FEATURES

- ✓ Series 5000 Peristaltic Pumps are suitable for laboratory and industrial applications
- ✓ Flow rate up to 2280 mL/min
- ✓ High resolution 4.3 inch color LCD touch screen used to control all functions
- ✓ Transferring status, flow rate data, and setting parameters can be seen on the screen
- ✓ 3 working modes are available: Fixed Volume Metering, Fixed Time & Volume, Start & Stop Timer
- ✓ Designed for intelligent calibrate function for easy operation
- ✓ Available in 304 stainless steel housing for industrial/production areas



Models: 5001SS, 5003SS, 5006SS

Model: 5000 Series

Precision Peristaltic Pump



Models: 5001, 5003, 5006



Models: 5001SS, 5003SS, 5006SS

Technical Specifications

Flow Rate Range	5001/5001SS: 0.000166~570mL/min 5003/5003SS: 0.000166~1330mL/min 5006/5006SS: 0.000166~2280mL/min	Start/Stop Direction Signal	Passive Switch Signal: foot pedal switch Active Switch Signal: 5V, 12V, 24V (option)
Speed Range	0.1-600rpm	Communication Interface	RS232, RS485 support MODBUS protocol (RTU Mode)
Speed Resolution	0.01rpm	Output Interface	Output motor working status (open-collector output)
Flow Rate Resolution	0.01mL	Power Supply	110VAC (standard) 220VAC (optional)
Flow Rate Accuracy	< ±0.5%	Drive Dimension L x W x H (mm)	5000 Series: 261.4 x 157.3 x 236.9 5000SS Series: 219.6 x 152 x 211.6
Back Suction Angle	0-360°	Drive Weight (kg)	5000 Series: 4.40kg 5000SS Series: 4.20kg
Outlet Pressure	0.1Mpa (0.86-1.0mm wall thickness tubing) 0.1-0.27Mpa (1.6-2.44mm wall thickness tubing)	Power Consumption	< 50W
Motor Type	Stepper Motor	Condition Temperature	0-40°C
Display	Industrial-grade 4.3" LCD color display	Relative Humidity	< 80%
Control Method	Touch screen and mechanical keypad	IP Rate	IP31
Keypad Lifetime	300,000 times		
External Speed Control Signal	0-5V, 0-10V, 4-20mA		

Product Composition and Flow Rate Range

Model Number	Speed	Pump Head: PSF	Pump Head: PPS
		Tubing: #13, #14, #19, #16, #25, #17, #18	Tubing: #15, #24
5001/5001SS	0.1-150rpm	0.007~570 mL/min	0.17~435 mL/min
5003/5003SS	0.1-350rpm	0.007~1330 mL/min	0.17~1015 mL/min
5006/5006SS	0.1-600rpm	0.007~2280 mL/min	0.17~1740 mL/min