

Speed Variable Peristaltic Pump | B-Series

MP110B | MP310B | MP610B (ABS Engineering Plastic Housing)

All models provide essential controls like start/stop, forward/reverse, speed adjustment, delay start/stop, and state memory to resume after power loss. An intuitive LCD interface makes setting parameters straightforward. Advanced RS 485 communication via MODBUS enables seamless integration with external control systems. The ABS plastic housing version is designed to deliver reliable performance in cost-sensitive applications, where high-end industrial-grade materials may not be necessary. It offers a practical solution for laboratories and setups operating within tighter budgets, without compromising on core functionality. With adequate resistance for low to moderate chemical exposure, it is well-suited for handling common reagents, buffers and mild solvents. The lightweight and compact construction enhances portability, making it easy to reposition across workstations, pilot-scale environments, or field-based applications. Ideal for use in non-harsh environments, this variant strikes a balance between affordability, convenience, and everyday lab utility.

MP110B

Flow Rate : 0.00011-750 ml/min
 Speed Rate : 0.1~150RPM
 Driver Weight : 3.6kg
 Power Consumption : <30W

MP310B

Flow Rate : 0.005-1750 ml/min
 Speed Rate : 0.1~350RPM
 Driver Weight : 3.9kg
 Power Consumption : <40W

MP610B

Flow Rate : 0.005-3000 ml/min
 Speed Rate : 0.1~600RPM
 Driver Weight : 3.9kg
 Power Consumption : <50W



Quick Tube Change



Stainless Steel Rotors

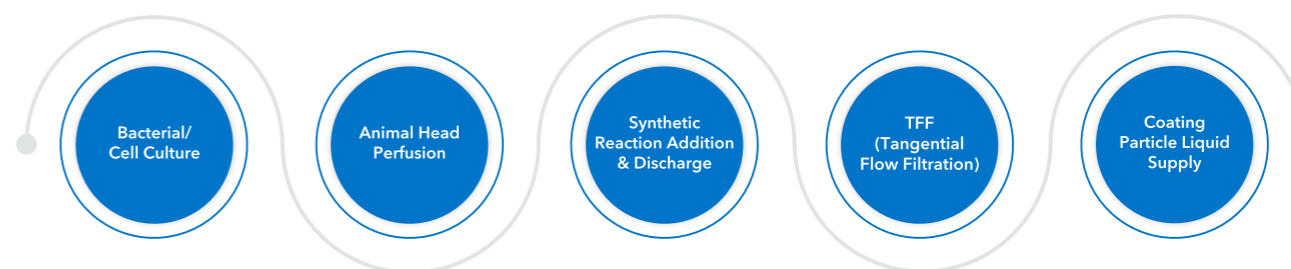


Moderate Pulsation

Technical Specifications:

Speed Resolution	0.1RPM (speed ≤ 100 RPM) / 1RPM (speed > 100RPM)
Speed Accuracy	0.5%
Duration	0.1~999 S/Min/H/D
Dispensing Interval Time	0.1~999 S/Min/H/D
Dispensing Time	1~999, "0" Infinite loops
External Control	External control input level 5V, 12V (Standard), 24V (Optional), External control analog 0-5V (Standard), 0-10V, 4-20mA (Optional)
Working Environment	Temperature 0~40°C, relative humidity < 80%
IP Grade	IP31
Dimension (LxWxH)	284mm × 180mm × 197mm

Application Areas:



Ordering Information:

Model No.	Pump Head	Channel	Tubing Size	Flow rate per channel (ml/min)
MP110B	PH10-28 (8 Rollers)	1,2	13#14#, Wall 0.8~1mm ID ≤ 3.17mm	0.00023~64
	PH15T	1,2	13# 14# 19# 16# 25# 17# 18#	0.005~641
	PH25	1	114# 116# 15# 24# 35# 36#	0.024~750
MP310B	PH15T	1,2	13# 14# 19# 16# 25# 17# 18#	0.005~1495
	PH25	1	114# 116# 15# 24# 35# 36#	0.024~1750
MP610B	PH15T	1,2	13# 14# 19# 16# 25# 17# 18#	0.005~2562
	PH25	1	114# 116# 15# 24# 35# 36#	0.024~3000