



Peristaltic Pump

Code. MPD003

- Compatible with various models of pump heads (not included). Has several intelligent working modes to meet different working needs. Can be used in the laboratory as well as in industry.
- Peristaltic pumps do not come into contact with the pumped liquid and cannot contaminate it (the only surface in contact with the liquid is the inside of the tube); for this reason they are

an excellent choice for transferring clean or sterile liquids in the sanitary, pharmaceutical and food sectors. They are also typically used for pumping aggressive chemicals that could damage other types of pumps and suspensions with high solids content.

Main features

- Plastic housing; cavity handle at the top
- Base with rubber feet
- Easy to operate; control panel with membrane keypad and 3.5-inch LCD color touch screen
- Reversible flow (motor can rotate in both directions)
- Four working modes: transmission, quantitative, timing, timing quantitative
- "Full Speed" function for fast filling or emptying of the tube
- Flow calibration function
- External control via foot switch (start/stop); RS485 interface
- Nine sets of data can be stored

Technical specifications

Max. speed	600 rpm
Speed resolution	0,1 rpm
Max flow rate	2280 ml/min
Suction angle	10°-720°
Suction speed	10-300 rpm
Motor type	Stepper motor
Ambient working temperature	0 - 40°C
Power supply	220VAC, 50/60Hz
Power	< 50W
Protection class	IP31
Dimensions (LxWxH)	290x200x255 mm
Net weight	5,25 kg



Accessories included

- Power supply cable
- Foot switch with RS485 15-pin connector
- Silicone tube #18, 2 meters long
- Two 10 mm check valves (prevent backflow of transferred liquid)
- Two 7.9 mm straight plastic connectors
- Two #18 filling nozzles

Pump heads/Tubes/Maximum flow rates

Pump head	Code	Max. speed	Tubes type (<i>inner diameter</i> × <i>wall thickness</i> , mm)								
			#13	#14	#19	#16	#25	#15	#17	#24	#18
			0,8×1,6	1,6×1,6	2,4×1,6	3,1×1,6	4,8×1,6	4,8×2,4	6,4×1,6	6,4×2,4	7,9×1,6
YZ1515x	MPD004	600 rpm	42 mL/min	162 mL/min	306 mL/min	492 mL/min	1020 mL/min	-	1740 mL/min	-	2280 mL/min
TX315	MPD006	400 rpm	28 mL/min	106 mL/min	227 mL/min	399 mL/min	830 mL/min	-	1400 mL/min	-	1930 mL/min
YZ2515x	MPD005	600 rpm	-	-	-	-	-	1020 mL/min	-	1740 mL/min	-
TX325	MPD007	400 rpm	-	-	-	-	-	760 mL/min	-	1230 mL/min	-

*Heads not included with the equipment