



Peristaltic pump series

Digital Peristaltic Pump

MU-D series MFU series

For MU-D series

MU-D peristaltic pump series is ideal for a variety of applications, which include filtration, circulation, sampling, chemical spraying, dispensing, transferring, feeding and filling. The easy-to-use pump head design allows for several different silicon tubing sizes to be fitted. This provides a great flexibility for a wide range of flow rates to be utilized when connecting with different sizes of tubings.

The MU-D series is also reversible providing better convenience and flexibility to the user. The digital control provides high accurate rpm performance.

MU-D01 pump is a digital controlled mode with a solid 50W brushless motor, and MU-D02 is designed with a higher horsepower, 100W for higher volume demands required.

MU-D03 pump is the most powerful pump in this series which packs with powerful pumphead, allows the flow rate to up to 3.3 litre/min with thicker tubing (1.6 mm).

Select the appropriate model for your lab with economical yet powerful enough peristaltic pump.

For MFU series

The Dual and Tetrad Peristaltic Pump are equipped with two and four peristaltic pumps, respectively, and can be controlled separately. Each applies digital microprocessor technology to provide more accurate rpm control and an individual timer with the alarm function is also equipped with all standard pumps. The Dual and Tetrad Peristaltic Pump can be used for applications such as filtration, circulation, sampling, chemical spraying, dispensing transferring, feeding and filling. The easy to use pump head design is also conveniently reversible for purging, allowing further flexibility in any experiment.

Features:(for MU-D)

- Digital microprocessor control for accurate control
- Compact size for easy transportation
- High quality Watson Marlow Easy load pump head
- Reversible for purging purposes
- Flow rate range from 1.2 to 1,140 ml/min for MU-D01
- Flow rate range from 0.3 to 2,280 ml/min for MU-D02
- Flow rate range from 0.8 to 3,300 ml/min for MU-D03

Features:(for MFU)

- Compact size for easy transportation
- Precise digital control for individual pump head
- High quality Easy Load pump head
- Two or four pump head modes available
- Allow individual control for each pump head
- Wide applications
- Reversible for purging purposes



MU-D01/MU-D02

MU-D03



Easy load pump head



MFU-01



MFU-02



Easy load pump head

Specifications

Cat. No	MU-D01	MUD02	MUD03	MFU-01	MFU-02
Controller	Digital Microprocessor Controller				
Motor	Brushless motor			Stepping motor	
Power	50 W	100 W			
Pump Speed / Inc.	20 - 300 rpm/ 1 rpm	5 - 600 rpm/ 1 rpm	20 - 300 rpm/1 rpm	1 ~ 100 % / 1 %	
Max. Pump Speed	N / A			Approx. 100 rpm	
Variable Flow Rate	1.2 - 1,140 ml/min	0.3 - 2,280 ml/min	0.8 - 3,300 ml/min	0.6 ~ 380 ml/min	
Number of Rollers	3		2	3	
Number of Peristaltic Pumps	1			2	4
Operating Temperature	Ambient to 40 °C				
Unit Dimension (W x L x H)	7.87" x 13.39" x 5.12" (200 x 340 x 130 mm)		13.39" x 9.45" x 6.69" (340 x 240 x 170 mm)	10.43" x 13.39" x 7.09" (265 x 340 x 180 mm)	
Construction	Painted Iron metal				
Weight	Approx. 12.5 lb (5.7 kg)		Approx. 13.4 lb (6.1 kg)	Approx. 12.6 lb (5.7 kg)	
Rated Voltage	110 V / 220 V	100 V ~ 240 V	100 V ~ 240 V	110 V ~ 240 V	







Ordering Information

Cat. No	Product Description
MU-D01	Digital Peristaltic Pump, 110 / 220 V
MU-D02	Superior Digital Peristaltic Pump, 100 V ~ 240 V
MU-D03	Supreme Digital Peristaltic Pump, 100 V ~ 240 V
MFU-01	Dual Peristaltic Pump
MFU-02	Tetrad Peristaltic pump

Accessories

Cat. No	Product Description
MU-PU1	Easy Load pump head
MU-S13	Silicon tube I.D. 0.03 inch (0.8 mm), 25 ft
MU-S14	Silicon tube I.D. 0.06 inch (1.6 mm), 25 ft
MU-S16	Silicon tube I.D. 0.12 inch (3.1 mm), 25 ft
MU-S25	Silicon tube I.D. 0.19 inch (4.8 mm), 25 ft
MU-S17	Silicon tube I.D. 0.25 inch (6.4 mm), 25 ft
MU-S18	Silicon tube I.D. 0.31 inch (7.9 mm), 25 ft

Tubing Order Information

Silicon Tubing Specifications						
Cat. No.	MU-S13	MU-S14	MU-S16	MU-S25	MU-S17	MU-S18
Inner Diameter inches. (mm)	0.03 (0.8)	0.06 (1.6)	0.12 (3.1)	0.19 (4.8)	0.25 (6.4)	0.31 (7.9)
Hose Barb Size inches. (mm)	1/16 (1.6)	1/16 (1.6)	1/8 (3.2)	3/16 (4.8)	1/4 (6.4)	3/8 (9.5)
Flow Range with 6 to 600 rpm Drive ml/min	0.36 to 36	1.3 to 130	4.8 to 480	10 to 1000	17 to 1700	23 to 2300
Maximum Pressure, Continuous	25 psig (1.7 bar)		20 psig (1.4 bar)		15 psig (1.0 bar)	10 psig (0.7 bar)
Maximum Pressure, Intermittent	40 psig (2.7 bar)		35 psig (2.4 bar)		20 psig (1.4 bar)	15 psig (1.0 bar)
Maximum Vacuum	26" Hg (660 mm Hg)			20" Hg (510 mm Hg)		
Suction Lift	29 ft H ₂ O (8.8 m H ₂ O)			22 ft H ₂ O (6.7 m H ₂ O)		



Dual Pump Head available accommodate two silicon tubings with the same pump speed at the same time.



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