



2024 BROCHURE



Peristaltic Pump

Innovative Life Sciences Tools

Digital Peristaltic Pump

MU-D series



Multiple loading, up to 2 pump heads in one unit (MU-D01/02 only)

Easy load pump head with reversible flow for purging purposes



| Cat. No | MU-D01 CE | MU-D02 CE | MU-D03 CE | MFU-01 CE | MFU-02 CE |
|-----------------------------|--|-------------------|--------------------|-------------------|----------------|
| Controller | Digital microprocessor controller | | | | |
| Motor | Brushless motor | | | Stepping motor | |
| Power | 50W | | | 100W | |
| Pump speed / increment | 20 - 300rpm / 1rpm | 5 - 600rpm / 1rpm | 20 - 300rpm / 1rpm | 1 - 100rpm / 1rpm | |
| Max. pump speed | 300rpm | 600rpm | 300rpm | 100rpm | |
| Flow range ** | 1.2 - 1,140ml/min | 0.3 - 2,280ml/min | 8 - 3,272ml/min | 0.08 - 375ml/min | |
| Number of rollers | 4 | | 2 | 3 | |
| Number of peristaltic Pumps | 1(Max is 2, the second pump head is optional and need the confirm before order.) | | 1 | 2 | 4 |
| Operating temperature | Ambient to 40 °C | | | | |
| Dimension (mm)(WxLxH) | 200x340x130 | | 240x338x167 | 265x340x180 | 315x340x180 |
| Material | Painted iron metal | | | | |
| Weight | Approx. 5.7kg | | Approx. 6.2kg | Approx. 7kg | Approx. 11.3kg |
| Rated voltage | 110V/220V, Selectable | 100V-240V | 100V-240V | 110V-240V | |
| Program | 2-step Program (running & ceasing); Max. of timer: 99 (hr) : 59 (min) : 59 (sec) | | | | |

**The flow range is subject to the silicone tube that used. Please see Silicon tubing specifications table for reference.

Tube 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 600rpm drive (ml/min) | 0.36 to 36 | 1.3 to 130 | 4.8 to 480 | 10 to 1000 | 17 to 1700 | 23 to 2300 |

*The flow range is subject to the silicone tube that used. Please see Silicon tubing specifications table for reference.

| | | | | |
|--------------------------------|---|--------------------|---|--------------------|
| Maximum pressure, continuous | 25psig (1.7bar) | 20psig (1.4bar) | 15psig (1.0bar) | 10psig (0.7bar) |
| Maximum pressure, intermittent | 40psig (2.7bar) | 35psig (2.4bar) | 20psig (1.4bar) | 15psig (1.0bar) |
| Maximum vacuum | 26" Hg (660mm Hg) | | 20" Hg (510mm Hg) | |
| Suction lift | 29ft H ₂ O (8.8m H ₂ O) | | 22ft H ₂ O (6.7m H ₂ O) | |

* MU-S18 is not compatible with MFU series.

*Please visit our website at www.majorsci.com for more product selection and detailed information.

Dual and Tetrad Peristaltic Pump

MFU series



Dual and tetrad pump models available, with individual controller for each pump



CE



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