major science
www.majorsci.com
info@majorsci.com

Winpact

High Capacity Digital Peristaltic Pump

Flow Rate :
Designed for high-throughput liquid transfer, delivering flow rates up to 13 L/min, suitable for bulk processing applications.

Precision Control :
Microprocessor-based control system provides stable speed regulation and ensures accurate, repeatable dosing performance.

Contamination Control :
The fluid path is fully confined to the tubing, preventing contact with pump components and enabling safe handling of sterile, corrosive, or sensitive media.

Motor :
High-torque brushless motor ensures maintenance-free operation and reliable performance under continuous duty conditions.

Interface :
Digital touchscreen interface supports intuitive operation, with both continuous run and programmable dispensing modes available.

Construction :
Stainless steel housing offers high mechanical strength, excellent corrosion resistance, and long service life in industrial environments.

Function :
Multiple control functions are available, including constant speed mode, volumetric dispensing mode, and intermittent mode. These modes can be combined to enable flexible, programmable operation.

Cat. No.	WP-D01
Display	4.3" Color Touch Panel
Motor	Servo motor
Max. Pump Speed	300rpm, variable flow
Direction	Forward / Reverse
Flow Range	10 to 13000 mL/min
Number of Rollers	4
Mode	Continuons / Timing / Programmable
Calibration	Flow rate calibration

Tubing Order Information

Silicon Tubing Specifications			
Cat. No.	MU-S26	MU-S73	MU-S82
Tubing material:	Platinum-cured silicone		
Inner Diameter	0.252" (6.40 mm)	0.374" (9.50 mm)	0.500" (12.70 mm)
Hose Barb Size	0.25" (6.35 mm)	0.375" (9.525 mm)	0.500" (12.70 mm)
Wall Thickness	3.2mm		
Maximum Flow Rate(ml/min)	4000 ml/min	8000 ml/min	13000 ml/min
*The flow range is subject to the motor drive of the pump. Please see Peristaltic Pump specifications for reference.			
Max. Pressure	2.06 bar (30 psi)	2.7 bar (40 psi)	1.4 bar (20 psi)
Max. Vacuum	660 mm Hg (26" Hg)		510 mm Hg (20" Hg)
Suction lift H_2O	8.8 m (29 ft.)		7 m (23 ft.)
Max. Temperature	230 °C (446 °F)		
Max. temperature (dynamic)	100 °C (212 °F)		
Min. Temperature	–50 °C (–58 °F)		

New Digital Peristaltic Pump

The New Digital Peristaltic Pump Series features a 12" Color Touch Panel for improved control convenience and the individual control function. This including Dual and Tetrad peristaltic pumps models are available for your preference.

- ***Digital microprocessor control for precise speed control***
- ***12" Color Touch Panel shows temperature and timer simultaneously***
- ***Compact size provides high portability***
- ***High quality Masterflex easy load pump head***
- ***Reversible for purging purposes***
- ***Flow rate range from 0.3-950ml/min***
- ***Multiple programmable operation mode available***
- ***Constant speed and constant volume are available.***

*One 12" color touch panel controller can control only one set of peristaltic pump module(2DP or 4DP) at a time.

Cat. No.	WP-2DP	WP-4DP
Display	12" Color Touch Panel	
Voltage	100V~240V, 50/60Hz	
Number Of pump head	2	4
Number Of Rollers	4	
Controller	Digital microprocess controller	
Pump Speed / Increment	5-250rpm / 1rpm	
Max. Pump Speed	250rpm	
Flow Range	0.3-950ml/min	
Mode	Continuons / Timing / Programmable	
Operating temperature	Ambient to 40°C	

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 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			20psig	15psig	10psig
	(1.7bar)			(1.4bar)	(1.0bar)	(0.7bar)
Maximum pressure, intermittent	40psig			35psig	20psig	15psig

* All images are for reference only, actual products might differ from the pictures above.
* Technical specifications subject to change without notice.