

MP² Micro Peristaltic Pumps



BENEFITS



- High precision peristaltic pump
- Suitable for all ICP applications
- Low pulsation, 12 roller design
- Chemically resistant
 - Ceramic pins and PTFE-coated metal components
- Optimized for ICP flow rates
 - Accurate pumping from < 1 μL/min to > 5 mL/min
- Includes communication cable for direct control from Shimadzu ICP
- Software controlled



MP2-4-PC

Part Number	Number of Channels
MP2-1-PC	One channel peripump
MP2-2-PC	Two channel peripump
MP2-3-PC	Three channel peripump
MP2-4-PC	Four channel peripump
MP2-6-PC	Six channel peripump

CTFE PERIPUMP FITTINGS (Non-barbed) Used in Low Pressure Applications			
Part Number	Qty	Size	
ES-2501-PPF1	1 ea.	Female (small)	
ES-2501-PPM1	1 ea.	Male (small)	

CTFE PERIPUMP FITTINGS (Barbed) Used in High Pressure Applications			
Part Number	Qty	Size	
ES-2501-PPF2	1 ea.	Female (small)	
ES-2501-PPM2	1 ea.	Male (small)	



SC-0915
Communications / power cable for standalone MP2 peripump

SPECIAL APPLICATIONS:

- Precise Online Internal Standard Addition



- Low Flow



- Microchromatography



- High Precision

SPECIFICATIONS

Dimensions / Weight:

15.3 cm (H) x 8.1 cm (W) x 8.7 cm (D) / 2 kg

Power:

18 watts

Channels:

1-6 Channels

Flow Rates:

< 1 μL/min to > 5 mL/min per channel

Tubing:

Standard and flared pump tubing available in several materials from 0.13 mm i.d. to 3.17 mm i.d. PVC tubing is standard.

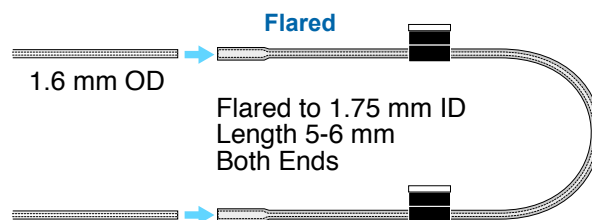
MP² Pump Tubing



Tubing for MP² Micro Peristaltic Pumps (Packs of 12) 

i.d.	Stop Colors		Calibration Slope ($\mu\text{L}/\text{min}$ per RPM)	Non-Flared			Flared*	
				PVC 2-stop	Santoprene 2-stop	Solva 2-stop	PVC 2-stop	SOLVA 2-stop
0.13 mm	Orange	Black	0.6	MPP-013-PVC			MPP-013-F-PVC	MPP-013-F-S
0.19 mm	Orange	Red	1.3	MPP-019-PVC			MPP-019-F-PVC	MPP-019-F-S
0.27 mm	Orange	Blue	2.7	MPP-027-PVC			MPP-027-F-PVC	MPP-027-F-S
0.38 mm	Orange	Green	4.7	MPP-038-PVC	MPP-038-PHR		MPP-038-F-PVC	MPP-038-F-S
0.44 mm	Green	Yellow	7.6	MPP-044-PVC			MPP-044-F-PVC	MPP-044-F-S
0.51 mm	Orange	Yellow	9.5	MPP-051-PVC			MPP-051-F-PVC	MPP-051-F-S
0.57 mm	White	Yellow	11	MPP-057-PVC			MPP-057-F-PVC	MPP-057-F-S
0.64 mm	Orange	White	14	MPP-064-PVC			MPP-064-F-PVC	MPP-064-F-S
0.76 mm	Black	Black	19	MPP-076-PVC	MPP-076-PHR	MPP-076-S	MPP-076-F-PVC	MPP-076-F-S
0.89 mm	Orange	Orange	24	MPP-089-PVC		MPP-089-S	MPP-089-F-PVC	MPP-089-F-S
0.95 mm	White	Black	28	MPP-095-PVC		MPP-095-S	MPP-095-F-PVC	MPP-095-F-S
1.02 mm	White	White	31	MPP-102-PVC		MPP-102-S	MPP-102-F-PVC	MPP-102-F-S
1.09 mm	White	Red	33	MPP-109-PVC		MPP-109-S	MPP-109-F-PVC	MPP-109-F-S
1.14 mm	Red	Red	35	MPP-114-PVC		MPP-114-S	MPP-114-F-PVC	
1.22 mm	Red	Grey	46	MPP-122-PVC		MPP-122-S		
1.30 mm	Grey	Grey	47	MPP-130-PVC	MPP-130-PHR	MPP-130-S		
1.42 mm	Yellow	Yellow	50	MPP-142-PVC		MPP-142-S		
1.52 mm	Yellow	Blue	51	MPP-152-PVC	MPP-152-PHR	MPP-152-S		
1.65 mm	Blue	Blue	55	MPP-165-PVC		MPP-165-S		
1.75 mm	Blue	Green	58	MPP-175-PVC		MPP-175-S		
1.85 mm	Green	Green	61	MPP-185-PVC		MPP-185-S		
2.06 mm	Purple	Purple	64	MPP-206-PVC		MPP-206-S		
2.20 mm	Purple	Black	65	MPP-220-PVC		MPP-220-S		
2.54 mm	Purple	Orange	67	MPP-254-PVC		MPP-254-S		
2.79 mm	Purple	White	69	MPP-279-PVC		MPP-279-S		
3.17 mm	Black	White	70	MPP-317-PVC	MPP-317-PHR	MPP-317-S		
Bridge Length				72 mm	72 mm	72 mm	72 mm	72 mm

*For easy insertion of PFA capillaries **i.d. = internal diameter**



MP ² PUMP TUBING STARTER KIT	
Part Number	Description
MPP-K-1	MP ² Pump Tubing Starter Kit comprising 34 packs of 12 tubes, one package of each light-blue highlighted part number in the table above. Includes: 26 packs of PVC tubing (0.13 to 3.17 mm i.d.) 3 packs of Santoprene tubing and 5 packs of Solva tubing. Kit also includes: 30 CTFE Fluoropolymer Peripump Fittings: 5 small female (ES-2501-PPF1), 5 small male (ES-2501-PPM1), 5 medium female (ES-2501-PPF3), 5 medium male (ES-2501-PPM3), 5 large female (ES-2501-PPF5) and 5 large male (ES-2501-PPM5).

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