

# Precision Syringe & Peristaltic Pumps

Manifold Tubing for Multi-Channel TPM Pumps							
Tube Bore mm (in)	Color Code	Max Flow Rate <sup>1</sup> (ml/min)					Connector <sup>2</sup> Size Gauge/Barb Size
		4-Roller	8-Roller	Silicone	Marprene	PVC	
0.13 mm (0.005 in)	Orange/Black	0.090	0.090	—	—	CGS8160.63	32 g
0.19 mm (0.007 in)	Orange/Red	0.300	0.280	—	—	CGS8161.63	31 g
0.25 mm (0.010 in)	Orange/Blue	0.520	0.470	—	CGS8162.63	CGS8163.63	28 g
0.38 mm (0.015 in)	Orange/Green	0.920	0.830	—	CGS8164.63	CGS8165.63	25 g
0.50 mm (0.020 in)	Orange/Yellow	1.70	1.40	—	CGS8166.63	CGS8167.63	23 g
0.63 mm (0.025 in)	Orange/White	3.10	2.60	CGS8168.63	CGS8169.63	CGS8170.63	22 g
0.76 mm (0.030 in)	Black/Black	4.60	3.90	CGS8171.63	CGS8172.63	CGS8173.63	20 g
0.88 mm (0.035 in)	Orange/Orange	6.40	5.30	CGS8174.63	CGS8175.63	CGS8176.63	19 g
1.02 mm (0.040 in)	White/White	8.10	6.60	CGS8177.63	CGS8178.63	CGS8179.63	18 g
1.14 mm (0.045 in)	Red/Red	9.90	8.80	CGS8180.63	CGS8181.63	CGS8182.63	1/16 inch
1.29 mm (0.050 in)	Gray/Gray	13.0	10.0	CGS8183.63	CGS8184.63	CGS8185.63	1/16 inch
1.42 mm (0.055 in)	Yellow/Yellow	17.0	12.0	CGS8186.63	CGS8187.63	CGS8188.63	1/16 inch
1.47 mm (0.058 in)	Translucent	18.0	13.0	CGS8189.63	—	—	1/16 inch
1.52 mm (0.060 in)	Yellow/Blue	19.0	14.0	CGS8190.63	CGS8191.63	CGS8192.63	1/16 inch
1.65 mm (0.065 in)	Blue/Blue	22.0	17.0	CGS8193.63	CGS8194.63	CGS8195.63	1/16 inch
1.85 mm (0.070 in)	Green/Green	28.0	20.0	CGS8196.63	CGS8197.63	CGS8198.63	3/32 inch
2.05 mm (0.080 in)	Purple/Purple	33.0	24.0	CGS8199.63	CGS8200.63	CGS8201.63	3/32 inch
2.38 mm (0.095 in)	Purple/Black	40.0	29.0	CGS8202.63	CGS8203.63	CGS8204.63	3/32 inch
2.54 mm (0.100 in)	Purple/Orange	47.0	33.0	CGS8205.63	CGS8206.63	CGS8207.63	1/8 inch
2.79 mm (0.110 in)	Purple/White	53.0	36.0	CGS8208.63	CGS8209.63	CGS8210.63	1/8 inch

<sup>1</sup>

<sup>2</sup>

Manifold Tubing for MPL Pumps								
Tube Bore mm (in)	Color Code	Flow Rate (ml/min)	Solvent Resistant			Acid Resistant		Connector <sup>2</sup> Size Gauge/Barb Size
			Silicone	Marprene	PVC	Silicone	Marprene	
0.13 (0.005)	Orange/Black	0.0006 to 0.099	—	—	CGS8243.63	CGS8261.63	—	32 g
0.19 (0.007)	Orange/Red	0.0009 to 0.15	—	—	CGS8244.63	CGS8262.63	—	31 g
0.25 (0.010)	Orange/Blue	0.0013 to 0.23	—	CGS8225.63	CGS8245.63	CGS8263.63	—	28 g
0.38 (0.015)	Orange/Green	0.0036 to 0.65	—	CGS8226.63	CGS8246.63	CGS8264.63	—	25 g
0.50 (0.020)	Orange/Yellow	0.0056 to 1.01	—	CGS8227.63	CGS8247.63	CGS8265.63	CGS8280.63	23 g
0.63 (0.025)	Orange/White	0.0083 to 1.49	CGS8211.63	CGS8228.63	CGS8248.63	CGS8266.63	CGS8281.63	22 g
0.76 (0.030)	Black/Black	0.011 to 2.02	CGS8212.63	CGS8229.63	CGS8249.63	CGS8267.63	CGS8282.63	20 g
0.88 (0.035)	Orange/Orange	0.016 to 2.92	CGS8213.63	CGS8230.63	CGS8250.63	CGS8268.63	CGS8283.63	19 g
1.02 (0.040)	White/White	0.021 to 3.76	CGS8214.63	CGS8231.63	CGS8251.63	CGS8269.63	CGS8284.63	18 g
1.14 (0.045)	Red/Red	0.026 to 4.68	CGS8215.63	CGS8232.63	CGS8252.63	CGS8270.63	CGS8285.63	1/16 inch
1.29 (0.050)	Gray/Gray	0.033 to 5.94	CGS8216.63	CGS8233.63	CGS8253.63	CGS8271.63	CGS8286.63	1/16 inch
1.42 (0.055)	Yellow/Yellow	0.040 to 7.20	CGS8217.63	CGS8234.63	CGS8254.63	CGS8272.63	CGS8287.63	1/16 inch
1.47 (0.058)	Translucent	0.0415 to 7.44	CGS8217.63	—	—	—	—	1/16 inch
1.52 (0.060)	Yellow/Blue	0.043 to 7.69	CGS8218.63	CGS8235.63	CGS8255.63	CGS8273.63	CGS8288.63	1/16 inch
1.65 (0.065)	Blue/Blue	0.051 to 9.12	CGS8219.63	CGS8236.63	CGS8256.63	CGS8274.63	CGS8289.63	1/16 inch
1.85 (0.070)	Green/Green	0.063 to 11.3	CGS8220.63	CGS8237.63	CGS8257.63	CGS8275.63	CGS8290.63	3/32 inch
2.05 (0.080)	Purple/Purple	0.076 to 13.8	CGS8221.63	CGS8238.63	CGS8258.63	CGS8276.63	CGS8291.63	3/32 inch
2.38 (0.095)	Purple/Black	0.092 to 16.5	CGS8222.63	CGS8239.63	CGS8259.63	CGS8277.63	CGS8292.63	3/32 inch
2.54 (0.100)	Purple/Orange	0.110 to 19.3	CGS8223.63	CGS8240.63	CGS8260.63	CGS8278.63	CGS8293.63	1/8 inch
2.79 (0.110)	Purple/White	0.120 to 22.0	CGS8224.63	CGS8241.63	CGS8261.63	CGS8279.63	CGS8294.63	1/8 inch