



FCS KA1

Miniature flip-top peristaltic pump with Stepper Motor.

Technical Data

Flow per Revolution

ID Ø 0.5 mm tube	16 / 15 / 13 µl per revolution (3 / 4 / 6 Rollers)
ID Ø 1.0 mm tube	55 / 50 / 42 µl per revolution (3 / 4 / 6 Rollers)
ID Ø 2.0 mm tube	190 / 160 / 120 µl per revolution (3 / 4 / 6 Rollers)
ID Ø 3.0 mm tube	340 / 290 / 200 µl per revolution (3 / 4 / 6 Rollers)
ID Ø 3.5 mm tube	400 / 340 / 230 µl per revolution (3 / 4 / 6 Rollers)

Max pressure	1 bar
Max suction height (dry)	9.5 m H ₂ O
Motor life	>10000 hour
Weight	245 g

RPM

0 to 500 rpm

Power Consumption

Ca. 8.0 W

Tube Materials

Pharm-a-line / Silicone / Lagoprene / ED-Plex

All data measured with 'run-in' Pharm-a-line tubing and H₂O.

Flow Data

Flow Range (ml/min) with Stepper Motor:

Tube ID	3 Roller		4 Roller		6 Roller	
	Min	Max	Min	Max	Min	Max
0.5 mm	0.0	8.0	0.0	7.5	0.0	6.5
1.0 mm	0.0	27.5	0.0	25.0	0.0	21.0
2.0 mm	0.0	95.0	0.0	80.0	0.0	60.0
3.0 mm	0.0	170.0	0.0	145.0	0.0	100.0
3.5 mm	0.0	200.0	0.0	170.0	0.0	115.0

Max at 500 rpm

Higher speeds are possible depending upon tube material, tube ID, number of rollers and driving method

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