

102FS/R fixed speed AC pump



The 102FS/R comprises of a 102R pumphead plus synchronous motor and mounting plate. It will accept 1.6 mm wall thickness silicone tubing from 0.5 to 4.8 mm internal diameter and provides a choice of speeds giving flow rates up to 32.6 ml/min. No tube connectors are required and a continuous length of tubing can be run from source to delivery point. Long tube life and precise flow rates are assured by the sprung roller design.

Ordering information

100-120V AC

0.67/0.8rpm 50/60Hz	010.2102.000
4.0/4.8rpm 50/60Hz	010.2202.000
6.0/7.2rpm 50/60Hz	010.2302.000
12rpm 50Hz	010.2402.000
14.4rpm 60Hz	010.2412.000
20/24rpm 50/60Hz	010.2502.000

200-250V AC

0.67rpm 50Hz	010.2112.000
4.0rpm 50Hz	010.2212.000
6.0rpm 50Hz	010.2312.000
12rpm 50Hz	010.2422.000
20rpm 50Hz 200-220V	010.2512.000
20rpm 50Hz 230-250V	010.2522.000

Specifications

Motor type	Synchronous
Motor torque output	2.5kg.cm
Power consumption	25VA
Weight	600g

Flow rates (ml/min)

		1.6mm (1/16") wall silicone tubing				
		0.5mm 1/50"	0.8mm 1/32"	1.6mm 1/16"	3.2mm 1/8"	4.8mm 3/16"
50	0.67	0.014	0.03	0.15	0.54	1.08
	4.0	0.087	0.20	0.87	3.17	6.35
	6.0	0.130	0.30	1.30	4.75	9.53
	12	0.250	0.60	2.55	9.44	19.0
	20	0.420	0.98	4.36	16.0	32.6
60	0.8	0.017	0.04	0.18	0.65	1.32
	4.8	0.104	0.24	1.05	3.80	7.62
	7.2	0.150	0.36	1.53	5.67	11.4
	14.4	0.300	0.72	3.06	11.3	22.9
	24	0.500	1.18	5.23	19.2	39.1

For tube selections, see Table A on page 48.

