

102FD/R fixed/variable speed DC pump



The 102FD/R comprises a 102R pumphead plus a 12V DC 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 106 ml/min. It may be used with the 100 series speed control board to provide a variable speed pumping system, giving a speed control ratio of 10:1, direction control and stop/start facilities.

Ordering information

12V DC	
4rpm	010.1002.000
65rpm	010.1042.000

Specifications

Motor type	Standard 12V DC
Motor torque output	2.5kg cm
Power consumption	2VA
Weight	500g
Brush life	3000 hours

Flow rates (ml/min)

	1.6mm (1/16") wall silicone tubing				
rpm	0.5mm 1/50"	0.8mm 1/32"	1.6mm 1/16"	3.2mm 1/8"	4.8mm 3/16"
4	0.09	0.20	0.87	3.17	6.40
65	1.38	3.22	14.0	52.0	106

Note: Minimum flows are 10% of rates given when using the 100 series OEM speed control board.

For tube selections, see Table A on page 48.

