

501FDP/RL fixed/variable speed DC pump



The 501FDP/RL is our highest quality, high flow OEM DC pump offering precise speed regulation, low electrical and audible noise, and long operating life.

The 501FDC/RL OEM pump is made up of a single channel 501RL pumphead, a powerful 12 or 24 Volt direct current motor-gearbox, and an aluminum faceplate. The spring loaded rotor assembly provides long tube life, and accurate flows. The coreless DC motors provide high torque output, and speed in a small case size. When fitted with 8.0mm bore tubing, these pumps provide flow rates of up to 2500 ml/min. Select from 7 tube bore sizes to precisely match the pump to your flow requirements.

Ordering information

12V DC		24V DC	
50rpm	050.0301.000	50rpm	050.0701.000
100rpm	050.0121.000	100rpm	050.0721.000
250rpm	050.0141.000	250rpm	050.0741.000

Specifications

Motor type	12 or 24 Volt Direct Current
Motor torque output	50rpm 11kgcm 100rpm 14kgcm 250rpm 6kgcm
Power consumption	5/30VA
Weight	3kg

Flow rates

	1.6mm (1/16") wall tubing							
	Bore mm	0.5mm	0.8mm	1.6mm	3.2mm	4.8mm	6.4mm	8.0mm
Bore *	1/5"	1/32"	1/16"	1/32"	3/16"	1/16"	5/16"	
50rpm	2.00	6.00	21.5	93.0	203	318	500	
100rpm	4.00	12.0	43.0	186	405	635	1000	
200rpm	8.00	24.0	86.0	372	810	1270	2000	
250rpm	10.00	30.0	107.5	465	1013	1588	2500	

For tube selections, see tables A & B on page 48.

