

**Specifications**

Make	:	<b>RAVEL</b>
No. of Channel	:	One
RPM	:	0.001 to 100
Flow Rate	:	0.00015 to 85 ml/min
Tubing	:	1 to 3 mm I.D. with 1 mm wall thickness
M.O.C. of the pump head		
Outer ARM	:	Polyphenylene Sulfide (PPS)
ARM Cover	:	Transparent Polycarbonate
Rotor	:	Polyphenylene Sulfide (PPS)
Rollers	:	Polyoxymethylene (POM)
Enclosure	:	Stainless Steel
Motor	:	DC Stepper Motor ( <b>Cont. Duty</b> )
Pressure	:	Up to 2 Kg/Sq. Cm
Accuracy	:	+/- 1 %
Supply	:	230v, 50Hz, Single phase AC supply, 40 Watt
Dimension	:	230 x 140 x 220 mm (H x W x D)
Weight	:	7.5 Kgs (App.)



**Controls**

1. **ON/OFF** switch with built in indication for AC input
2. Microcontroller Based Control Circuit
3. Precise **PWM** based DC Stepper Motor Drive (**Cont. Duty**)
4. Three digit, seven segment **LED display** for RPM readout
5. Soft touch keypad for ON/OFF, Increase, Decrease Priming and Direction reversal.
6. **Auto/Manual** modes of speed variation
  - Auto : Speed variation by means of **external 4...20mA** signal
  - Manual : Speed variation from the front panel keypad
7. Provision for **external ON/OFF** control by means of a Foot Switch or from the PLC.

RPM Range selection	Flow rate (ml/min) for Various ID Tubing		
	1 mm	2 mm	3 mm
0.001 to 0.999	0.00015 to 0.15	0.00035 to 0.35	<b>0.00085 to 0.85</b>
0.01 to 9.99	0.0015 to 1.5	0.0035 to 3.5	<b>0.0085 to 8.5</b>
<b>0.1 to 99.9</b>	0.015 to 15	0.035 to 35	<b>0.085 to 85</b>