

300 series Peristaltic Pump with AC Motor

- Long Tube Life
- Easy tube replacement
- Long life motor



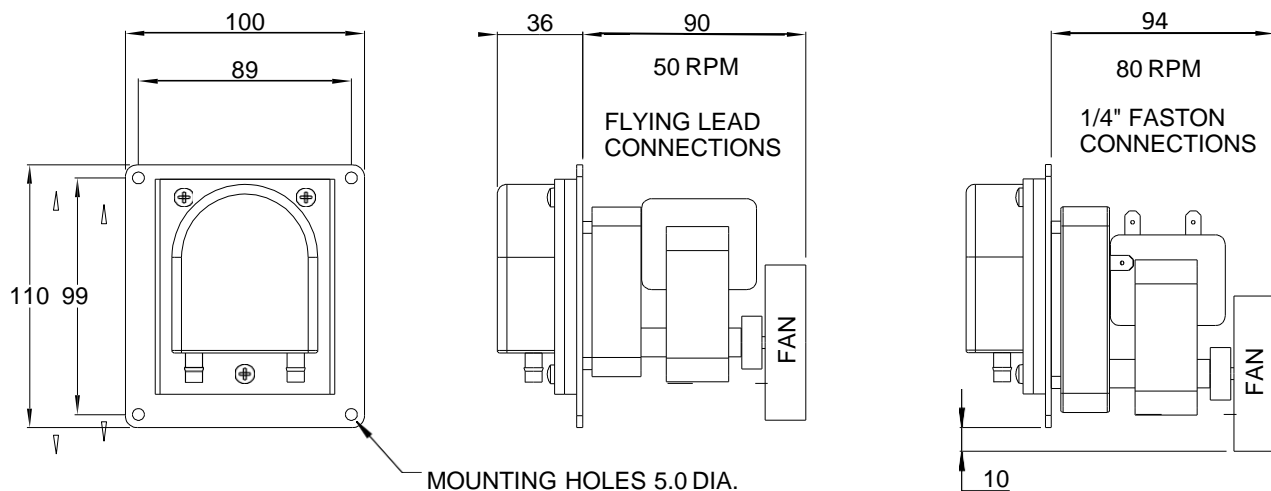
The 300 series range of peristaltic pumps has been designed to offer a low cost means of dosing a wide range of liquids. As with all peristaltic pumps they have excellent suction performance, are self priming up to 5 metres from dry and capable of pumping up to 15 m head pressure. Peristaltic pumps offer a good level of accuracy and repeatability and as only the tube & tube fittings contact the pumped media they are corrosion resistant, easy to clean, extremely reliable and inexpensive to maintain.

Additionally the 300 series of pumps offer extremely long tube life because of their low friction needle bearing rollers and unique tube cantering roller cage. Coupled to this the motor gearboxes are built with ball bearings throughout which also offers exceptional longevity.

The pumps are available in 2 speeds 50 & 80 RPM giving flow rates of between 40ml/min & 256ml/min A special chemical resistant version (PP after part no) is also available that uses polypropylene tube fittings.

The 300 series is also available with a stepper motor or as a pumphead only for use with customers own motors see separate datasheets.

Dimensions



The Williamson Manufacturing Company Ltd provides no warranty on usage of pumps. We recommend that life tests be carried out prior to use. This information is given in good faith and believed to be correct at the time of publishing. The Williamson Manufacturing Company Ltd cannot accept responsibility for inaccuracy or any errors contained herein. Copyright the Williamson Manufacturing Company Ltd 2008.

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Flow Rates

Tube Size	Silicone Tube	Santoprene	Viton®	Norprene Chemical®
3	1.1ml/rev	1ml/rev	0.8ml/rev	0.9ml/rev
5	2.2ml/rev	2ml/rev	1.6ml/rev	1.8ml/rev
6	3.2ml/rev	3ml/rev	2.4ml/rev	2.8ml/rev

Note: Above figures are based on pumping water and are for guidance only. Flow rate is subject to tube tolerance, tube age, back pressure and fluid viscosity.

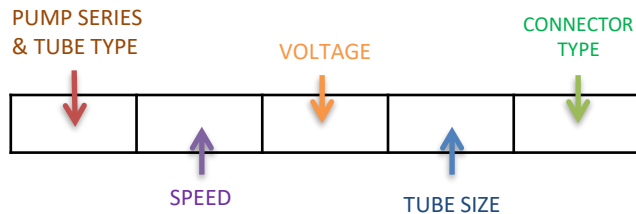
Materials of Construction

Pump Body & cover	Polypropylene
Rotor	Aluminium (plated)
Needle bearing rollers	Stainless steel
Inlet/outlet moulding	Nylon

Part Numbers

DEVISE YOUR PRODUCT CODE USING THE PRODUCT CODES FROM THE TABLE (RIGHT) WHERE STATED BELOW.

(PLEASE NOTE EXCLUSIONS LISTED IN TABLE).



300-080-230-060-PP

Example product code for a 300 series pump fitted with 6.4 bore silicone tubing, 80 rpm, 230v AC supply & Polypropylene tube connectors.

Options	Product Code
Tube Material	
Silicone	300
Santoprene	301
Viton® (3 & 5mm Tube Only)	302
Tygon Norprene Chemical®	307
Motor Speed RPM	
50	050
80	080
Motor Voltage AC	
115	115
230	230
Tube Bore Diameter	
3.2mm (PP Connectors Only)	030
4.8mm	050
6.4mm (Not Available In Viton)	060
Connector Type	
Polypropylene	PP
Standard Nylon (Not 3mm Tube)	No Code

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