

300 series Peristaltic Pump with AC Motor

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



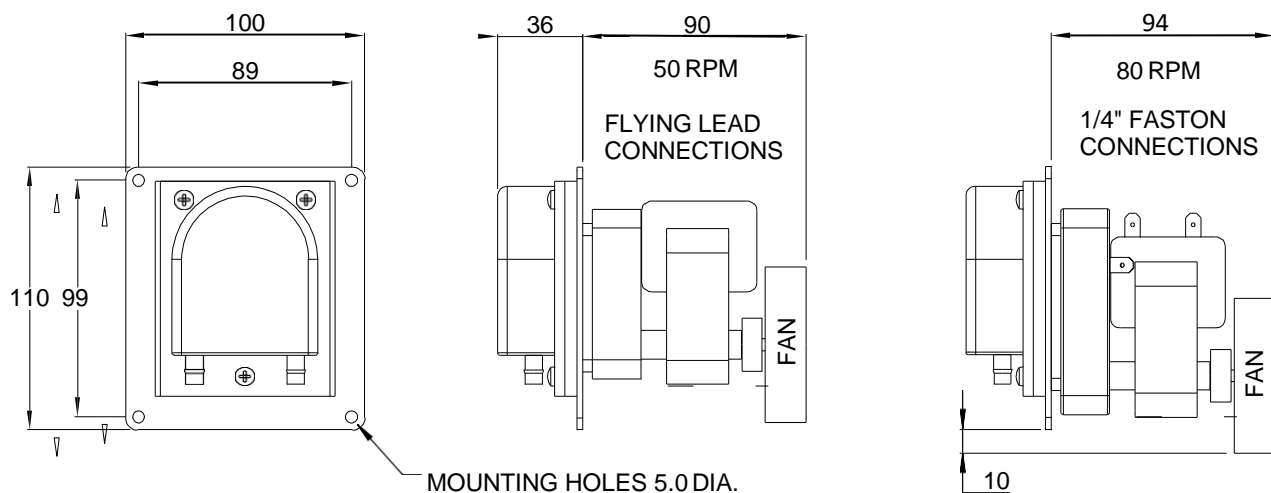
The 300 series range of peristaltic pumps has been designed to offer a low cost means of dosing a wide range of liquids. As with all peristaltic pumps they have excellent suction performance, are self priming up to 5 metres from dry and capable of pumping up to 15 m head pressure. Peristaltic pumps offer 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



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Williamson Manufacturing Co Ltd
Unit 2, Centenary Industrial Estate
Hughes Road
Brighton
East Sussex BN2 4AW UK
Email: sales@williamsonpumps.co.uk

300 series Peristaltic Pump with AC Motor

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.

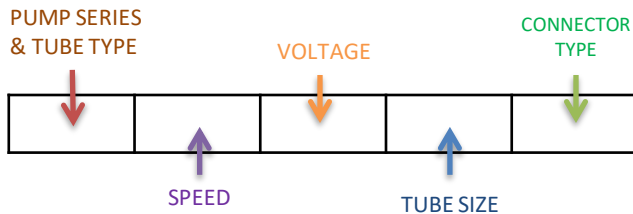
Materials of Construction

| | |
|------------------------|--------------------------------|
| Pump Body & cover | Polypropylene |
| Rotor | Aluminium (plated) |
| Needle bearing rollers | Stainless steel |
| Inlet/outlet moulding | 10% glass filled polycarbonate |

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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