

400 series Air Powered Pumps

Specification sheet (last updated May 2011)



The 400 series air powered range of peristaltic pumps has been designed to offer the OEM a low cost means of dosing a wide range of liquids at high volumes (750 - 7500+ ml/min). As with all peristaltic pumps they have excellent suction performance with the ability to self-prime to 5 metres, even when priming from dry. Peristaltic pumps offer a good level of accuracy and repeatability and as only the tube contacts the pumped media, they are corrosion resistant, extremely reliable, easy to clean and inexpensive to maintain.

They have an approximate flow run on 3 bar of 10 litres per minute for 12.7mm models (suffix 130) & 5.5 litres per minute for 10 mm models (suffix 100).

Please note the air motor requires the use of a 5 micron filter which should be drained regularly & examined for signs of clogging. The motor can be run without lubrication, but a longer life will be achieved if lubricated at 2 drops per hour (continuous running) or 4 drops per hour (intermittent running). Contact us for recommended lubricants. An exhaust guard or silencer must be fitted.

The easiest way to place an order or check prices is via our online shop at <http://www.williamson-shop.co.uk> but please contact us for any requirements not listed or to place an order over the phone.

Model No	Series	l/min	RPM	Pressure	Tube id/material
400-RM004-100	400 Air powered	6		3 bar	
400-RM004-130	400 Air powered	10		3 bar	
401-RM004-100	400 Air powered	6		3 bar	
401-RM004-130	400 Air powered	10		3 bar	
402-RM004-100	400 Air powered	6		3 bar	
402-RM004-130	400 Air powered	10		3 bar	

The flow rates shown on this website were calculated either by measuring the flow rate on the stated voltage with a one metre suction lift and zero discharge head pumping ordinary tap water with an ambient temperature of 20C or extrapolated from those figures by factoring for different gearshift rotation speed. The flow rates given should only be used as a guide and customers should run their own tests on their own application. We reserve the right to make changes to the pump which may result in variations to these figures and reserve the right to do this without notice. Customers should also check regularly to see if the published figures have changed in case it affects their system. 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 and current at time of publishing. The Williamson Manufacturing Company Ltd cannot accept responsibility for its inaccuracy or any errors or omissions contained herein. Copyright The Williamson Manufacturing Company Ltd 2011.