

810 series with AC powered motors

Specification Sheet 1 (last updated May 2011)



The 810 series peristaltic pumps are available in a range of 115v or 230v AC motor options with shaded pole gear motor and plastic cooling fan designed for operation at 25 deg C ambient temperature. Capable of delivering flow rates as high as 987 ml/min, the pump heads are polypropylene with stainless steel fasteners, self priming up to 29 ft. (8.8m), run up to 20 psi (2.7 bar), are non-siphoning and can be run dry continuously. 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. **Items in Red - available for volume orders only.**

Important: These pumps are not suitable for continuous running or for use in wet areas/high humidity and should be fitted by a suitably qualified person.

Model No	Series	ml/min	Rollers	RPM	Supply Voltage	Tube id/material	Watts
810.040.115.187/2	810 series pumphead	80	2	40	115vAC	4.8mm 55 food sant	*
810.040.115.187/3	810 series pumphead	70	3	40	115vAC	4.8mm 55 food sant	*
810.040.230.187/2	810 series pumphead	80	2	40	230vAC	4.8mm 55 food sant	*
810.040.230.187/3	810 series pumphead	70	3	40	230vAC	4.8mm 55 food sant	*
811.040.115.187/2	810 series pumphead	80	2	40	115vAC	4.8mm silicone.	*
811.040.115.187/3	810 series pumphead	70	3	40	115vAC	4.8mm silicone.	*
811.040.230.187/2	810 series pumphead	80	2	40	230vAC	4.8mm silicone.	*
811.040.230.187/3	810 series pumphead	70	3	40	230vAC	4.8mm silicone.	*
810.090.115.187/2	810 series pumphead	180	2	90	115vAC	4.8mm 55 food sant	*
810.090.115.187/3	810 series pumphead	158	3	90	115vAC	4.8mm 55 food sant	*
810.090.230.187/2	810 series pumphead	180	2	90	230vAC	4.8mm 55 food sant	*
810.090.230.187/3	810 series pumphead	158	3	90	230vAC	4.8mm 55 food sant	*
811.090.115.187/2	810 series pumphead	180	2	90	115vAC	4.8mm silicone.	*
811.090.115.187/3	810 series pumphead	158	3	90	115vAC	4.8mm silicone.	*
811.090.230.187/2	810 series pumphead	180	2	90	230vAC	4.8mm silicone.	*
811.090.230.187/3	810 series pumphead	158	3	90	230vAC	4.8mm silicone.	*
810.143.115.187/2	810 series pumphead	286	2	143	115vAC	4.8mm 55 food sant	*
810.143.115.187/3	810 series pumphead	250	3	143	115vAC	4.8mm 55 food sant	*
810.143.230.187/2	810 series pumphead	286	2	143	230vAC	4.8mm 55 food sant	*
810.143.230.187/3	810 series pumphead	250	3	143	230vAC	4.8mm 55 food sant	*
811.143.115.187/2	810 series pumphead	286	2	143	115vAC	4.8mm silicone.	*
811.143.115.187/3	810 series pumphead	250	3	143	115vAC	4.8mm silicone.	*
811.143.230.187/2	810 series pumphead	286	2	143	230vAC	4.8mm silicone.	*
811.143.230.187/3	810 series pumphead	250	3	143	230vAC	4.8mm silicone.	*
810.203.115.187/2	810 series pumphead	406	2	203	115vAC	4.8mm 55 food sant	*
810.203.115.187/3	810 series pumphead	355	3	203	115vAC	4.8mm 55 food sant	*
810.203.230.187/2	810 series pumphead	406	2	203	230vAC	4.8mm 55 food sant	*
810.203.230.187/3	810 series pumphead	355	3	203	230vAC	4.8mm 55 food sant	*
811.203.115.187/2	810 series pumphead	406	2	203	115vAC	4.8mm silicone.	*
811.203.115.187/3	810 series pumphead	355	3	203	115vAC	4.8mm silicone.	*
811.203.230.187/2	810 series pumphead	406	2	203	230vAC	4.8mm silicone.	*
811.203.230.187/3	810 series pumphead	355	3	203	230vAC	4.8mm silicone.	*

Please note AC motor RPM is not affected by load. Motors may not be capable of running continuously in certain conditions and are fitted with safety switches to prevent over heating. This may mean they switch off without warning and when they have cooled down switch back on without warning. Ensure your design allows for this. All AC motors are supplied with a cooling fan.

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.

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Specification Sheet 2 (last updated May 2011)



The 810 series peristaltic pumps are available in a range of 115v or 230v AC motor options with shaded pole gear motor and plastic cooling fan designed for operation at 25 deg C ambient temperature. Capable of delivering flow rates as high as 987 ml/min, the pump heads are polypropylene with stainless steel fasteners, self priming up to 29 ft. (8.8m), run up to 20 psi (2.7 bar), are non-siphoning and can be run dry continuously. 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. **Items in Red - available for volume orders only.**

Important: These pumps are not suitable for continuous running or for use in wet areas/high humidity and should be fitted by a suitably qualified person.

Model No	Series	ml/min	Rollers	RPM50hz	Supply Voltage	Tube id/material	Watts
810.040.115.250/2	810 series pumphead	140	2	40	115vAC	6.4mm 55 food sant	*
810.040.115.250/3	810 series pumphead	120	3	40	115vAC	6.4mm 55 food sant	*
810.040.230.250/2	810 series pumphead	140	2	40	230vAC	6.4mm 55 food sant	*
810.040.230.250/3	810 series pumphead	120	3	40	230vAC	6.4mm 55 food sant	*
811.040.115.250/2	810 series pumphead	140	2	40	115vAC	6.4mm silicone.	*
811.040.115.250/3	810 series pumphead	120	3	40	115vAC	6.4mm silicone.	*
811.040.230.250/2	810 series pumphead	140	2	40	230vAC	6.4mm silicone.	*
811.040.230.250/3	810 series pumphead	120	3	40	230vAC	6.4mm silicone.	*
810.090.115.250/2	810 series pumphead	315	2	90	115vAC	6.4mm 55 food sant	*
810.090.115.250/3	810 series pumphead	270	3	90	115vAC	6.4mm 55 food sant	*
810.090.230.250/2	810 series pumphead	315	2	90	230vAC	6.4mm 55 food sant	*
810.090.230.250/3	810 series pumphead	270	3	90	230vAC	6.4mm 55 food sant	*
811.090.115.250/2	810 series pumphead	315	2	90	115vAC	6.4mm silicone.	*
811.090.115.250/3	810 series pumphead	270	3	90	115vAC	6.4mm silicone.	*
811.090.230.250/2	810 series pumphead	315	2	90	230vAC	6.4mm silicone.	*
811.090.230.250/3	810 series pumphead	270	3	90	230vAC	6.4mm silicone.	*
810.143.115.250/2	810 series pumphead	501	2	143	115vAC	6.4mm 55 food sant	*
810.143.115.250/3	810 series pumphead	429	3	143	115vAC	6.4mm 55 food sant	*
810.143.230.250/2	810 series pumphead	501	2	143	230vAC	6.4mm 55 food sant	*
810.143.230.250/3	810 series pumphead	429	3	143	230vAC	6.4mm 55 food sant	*
811.143.115.250/2	810 series pumphead	501	2	143	115vAC	6.4mm silicone.	*
811.143.115.250/3	810 series pumphead	429	3	143	115vAC	6.4mm silicone.	*
811.143.230.250/2	810 series pumphead	501	2	143	230vAC	6.4mm silicone.	*
811.143.230.250/3	810 series pumphead	429	3	143	230vAC	6.4mm silicone.	*
810.203.115.250/2	810 series pumphead	711	2	203	115vAC	6.4mm 55 food sant	*
810.203.115.250/3	810 series pumphead	609	3	203	115vAC	6.4mm 55 food sant	*
810.203.230.250/2	810 series pumphead	711	2	203	230vAC	6.4mm 55 food sant	*
810.203.230.250/3	810 series pumphead	609	3	203	230vAC	6.4mm 55 food sant	*
811.203.115.250/2	810 series pumphead	711	2	203	115vAC	6.4mm silicone.	*
811.203.115.250/3	810 series pumphead	609	3	203	115vAC	6.4mm silicone.	*
811.203.230.250/2	810 series pumphead	711	2	203	230vAC	6.4mm silicone.	*
811.203.230.250/3	810 series pumphead	609	3	203	230vAC	6.4mm silicone.	*

Please note AC motor RPM is not affected by load. Motors may not be capable of running continuously in certain conditions and are fitted with safety switches to prevent over heating. This may mean they switch off without warning and when they have cooled down switch back on without warning. Ensure your design allows for this. All AC motors are supplied with a cooling fan.

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