

810 series with DC powered motors

Specification Sheet 1 (last updated May 2016)



The 810 series peristaltic pumps are available in 12 or 24v DC motor options. They are capable of delivering flow rates as high as 987 ml/min, the pump heads are polypropylene with stainless steel fasteners, self priming from dry 5 metres, pressures up to 20 psi (1.5 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 or to place an order over the phone.

Model No	Series	ml/min	Rollers	RPM	Supply Voltage	Tube id/material
810.040.012.187/2	810 series pumphead	80	2	40	12VDC	4.8mm 55 food sant
810.040.012.187/3	810 series pumphead	70	3	40	12VDC	4.8mm 55 food sant
810.040.024.187/2	810 series pumphead	80	2	40	24VDC	4.8mm 55 food sant
810.040.024.187/3	810 series pumphead	70	3	40	24VDC	4.8mm 55 food sant
811.040.012.187/2	810 series pumphead	80	2	40	12VDC	4.8mm silicone.
811.040.012.187/3	810 series pumphead	70	3	40	12VDC	4.8mm silicone.
811.040.024.187/2	810 series pumphead	80	2	40	24VDC	4.8mm silicone.
811.040.024.187/3	810 series pumphead	70	3	40	24VDC	4.8mm silicone.
810.090.012.187/2	810 series pumphead	180	2	90	12VDC	4.8mm 55 food sant
810.090.012.187/3	810 series pumphead	158	3	90	12VDC	4.8mm 55 food sant
810.090.024.187/2	810 series pumphead	180	2	90	24VDC	4.8mm 55 food sant
810.090.024.187/3	810 series pumphead	158	3	90	24VDC	4.8mm 55 food sant
811.090.012.187/2	810 series pumphead	180	2	90	12VDC	4.8mm silicone.
811.090.012.187/3	810 series pumphead	158	3	90	12VDC	4.8mm silicone.
811.090.024.187/2	810 series pumphead	180	2	90	24VDC	4.8mm silicone.
811.090.024.187/3	810 series pumphead	158	3	90	24VDC	4.8mm silicone.
810.172.012.187/2	810 series pumphead	344	2	172	12VDC	4.8mm 55 food sant
810.172.012.187/3	810 series pumphead	300	3	172	12VDC	4.8mm 55 food sant
810.172.024.187/2	810 series pumphead	344	2	172	24VDC	4.8mm 55 food sant
810.172.024.187/3	810 series pumphead	300	3	172	24VDC	4.8mm 55 food sant
811.172.012.187/2	810 series pumphead	344	2	172	12VDC	4.8mm silicone.
811.172.012.187/3	810 series pumphead	300	3	172	12VDC	4.8mm silicone.
811.172.024.187/2	810 series pumphead	344	2	172	24VDC	4.8mm silicone.
811.172.024.187/3	810 series pumphead	300	3	172	24VDC	4.8mm silicone.
810.282.012.187/2	810 series pumphead	564	2	282	12VDC	4.8mm 55 food sant
810.282.012.187/3	810 series pumphead	494	3	282	12VDC	4.8mm 55 food sant
810.282.024.187/2	810 series pumphead	564	2	282	24VDC	4.8mm 55 food sant
810.282.024.187/3	810 series pumphead	494	3	282	24VDC	4.8mm 55 food sant
811.282.012.187/2	810 series pumphead	564	2	282	12VDC	4.8mm silicone.
811.282.012.187/3	810 series pumphead	494	3	282	12VDC	4.8mm silicone.
811.282.024.187/2	810 series pumphead	564	2	282	24VDC	4.8mm silicone.
811.282.024.187/3	810 series pumphead	494	3	282	24VDC	4.8mm silicone.

Please note DC motor RPM varies with load. Motor voltages stated are nominal, most DC motors can be run at the stated voltage minus 50% & plus 25%. All the above motors are fitted with carbon brushes which are a wearing part. The estimate life of brushes when pumping under minimal load at the stated voltage is approx 2000 hours, but many factors affect this life. These motors may require filtering to meet EMC regulations.

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Specification Sheet 2 (last updated May 2016)



The 810 series peristaltic pumps are available in 12 or 24v DC motor options. They are capable of delivering flow rates as high as 987 ml/min, the pump heads are polypropylene with stainless steel fasteners, self priming from dry 5 metres, pressures up to 20 psi (1.5 bar), are non-siphoning and can be run dry continuously.

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Model No	Series	ml/min	Rollers	RPM	Supply Voltage	Tube id/material
810.040.012.250/2	810 series pumphead	140	2	40	12VDC	6.4mm 55 food sant
810.040.012.250/3	810 series pumphead	120	3	40	12VDC	6.4mm 55 food sant
810.040.024.250/2	810 series pumphead	140	2	40	24VDC	6.4mm 55 food sant
810.040.024.250/3	810 series pumphead	120	3	40	24VDC	6.4mm 55 food sant
811.040.012.250/2	810 series pumphead	140	2	40	12VDC	6.4mm silicone.
811.040.012.250/3	810 series pumphead	120	3	40	12VDC	6.4mm silicone.
811.040.024.250/2	810 series pumphead	140	2	40	24VDC	6.4mm silicone.
811.040.024.250/3	810 series pumphead	120	3	40	24VDC	6.4mm silicone.
810.090.012.250/2	810 series pumphead	315	2	90	12VDC	6.4mm 55 food sant
810.090.012.250/3	810 series pumphead	270	3	90	12VDC	6.4mm 55 food sant
810.090.024.250/2	810 series pumphead	315	2	90	24VDC	6.4mm 55 food sant
810.090.024.250/3	810 series pumphead	270	3	90	24VDC	6.4mm 55 food sant
811.090.012.250/2	810 series pumphead	315	2	90	12VDC	6.4mm silicone.
811.090.012.250/3	810 series pumphead	270	3	90	12VDC	6.4mm silicone.
811.090.024.250/2	810 series pumphead	315	2	90	24VDC	6.4mm silicone.
811.090.024.250/3	810 series pumphead	270	3	90	24VDC	6.4mm silicone.
810.172.012.250/2	810 series pumphead	600	2	143	12VDC	6.4mm 55 food sant
810.172.012.250/3	810 series pumphead	516	3	143	12VDC	6.4mm 55 food sant
810.172.024.250/2	810 series pumphead	600	2	143	24VDC	6.4mm 55 food sant
810.172.024.250/3	810 series pumphead	516	3	143	24VDC	6.4mm 55 food sant
811.172.012.250/2	810 series pumphead	600	2	143	12VDC	6.4mm silicone.
811.172.012.250/3	810 series pumphead	516	3	143	12VDC	6.4mm silicone.
811.172.024.250/2	810 series pumphead	600	2	143	24VDC	6.4mm silicone.
811.172.024.250/3	810 series pumphead	516	3	143	24VDC	6.4mm silicone.
810.282.012.250/2	810 series pumphead	987	2	282	12VDC	6.4mm 55 food sant
810.282.012.250/3	810 series pumphead	846	3	282	12VDC	6.4mm 55 food sant
810.282.024.250/2	810 series pumphead	987	2	282	24VDC	6.4mm 55 food sant
810.282.024.250/3	810 series pumphead	846	3	282	24VDC	6.4mm 55 food sant
811.282.012.250/2	810 series pumphead	987	2	282	12VDC	6.4mm silicone.
811.282.012.250/3	810 series pumphead	846	3	282	12VDC	6.4mm silicone.
811.282.024.250/2	810 series pumphead	987	2	282	24VDC	6.4mm silicone.
811.282.024.250/3	810 series pumphead	846	3	282	24VDC	6.4mm silicone.

Please note DC motor RPM varies with load. Motor voltages stated are nominal, most DC motors can be run at the stated voltage minus 50% & plus 25%. All the above motors are fitted with carbon brushes which are a wearing part. The estimate life of brushes when pumping under minimal load at the stated voltage is approx 2000 hours, but many factors affect this life. These motors may require filtering to meet EMC regulations.

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