

### 100 series with DC powered motors

Specification Sheet 1 (last updated May 2013)



The 100 series, micro range of peristaltic pumps offer OEM's a low cost, compact and reliable means of dosing a wide range of liquids. They are available in various configurations of tubing type/ID bore as detailed below. 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. **Important: The standard version of this pump is supplied sealed so the tube cannot be changed. The pump has been designed so that when the pump head has worn out it is changed as a whole. We are able to supply pumpheads unsealed for customers that wish to change the tubing periodically. Please contact our office for details.**

Model No	Series	ml/min	Rollers	RPM	Voltage	Tube id/material	mA
100.035.006.008/2	100 series pump	1	2	35rpm	6vDC	0.8mm silicone.	300
100.035.006.008/4	100 series pump	1	4	35rpm	6vDC	0.8mm silicone.	300
100.035.006.016/2	100 series pump	4	2	35rpm	6vDC	1.6mm silicone.	300
100.035.006.016/4	100 series pump	3	4	35rpm	6vDC	1.6mm silicone.	300
100.035.006.030/2	100 series pump	9	2	35rpm	6vDC	3mm silicone.	300
100.035.006.030/4	100 series pump	8	4	35rpm	6vDC	3mm silicone.	300
100.070.006.008/2	100 series pump	2	2	70rpm	6vDC	0.8mm silicone.	300
100.070.006.008/4	100 series pump	2	4	70rpm	6vDC	0.8mm silicone.	300
100.070.006.016/2	100 series pump	7	2	70rpm	6vDC	1.6mm silicone.	300
100.070.006.016/4	100 series pump	6	4	70rpm	6vDC	1.6mm silicone.	300
100.070.006.030/2	100 series pump	18	2	70rpm	6vDC	3mm silicone.	300
100.070.006.030/4	100 series pump	15	4	70rpm	6vDC	3mm silicone.	300
100.005.012.008/2	100 series pump	<1	2	5rpm	12vDC	0.8mm silicone.	60
100.005.012.008/4	100 series pump	<1	4	5rpm	12vDC	0.8mm silicone.	60
100.005.012.016/2	100 series pump	1	2	5rpm	12vDC	1.6mm silicone.	60
100.005.012.016/4	100 series pump	<1	4	5rpm	12vDC	1.6mm silicone.	60
100.005.012.030/2	100 series pump	1	2	5rpm	12vDC	3mm silicone.	60
100.005.012.030/4	100 series pump	1	4	5rpm	12vDC	3mm silicone.	140
100.035.012.008/2	100 series pump	1	2	35rpm	12vDC	0.8mm silicone.	140
100.035.012.008/4	100 series pump	1	4	35rpm	12vDC	0.8mm silicone.	140
100.035.012.016/2	100 series pump	4	2	35rpm	12vDC	1.6mm silicone.	140
100.035.012.016/4	100 series pump	3	4	35rpm	12vDC	1.6mm silicone.	140
100.035.012.030/2	100 series pump	9	2	35rpm	12vDC	3mm silicone.	140
100.035.012.030/4	100 series pump	8	4	35rpm	12vDC	3mm silicone.	140
100.070.012.008/2	100 series pump	2	2	70rpm	12vDC	0.8mm silicone.	170
100.070.012.008/4	100 series pump	2	4	70rpm	12vDC	0.8mm silicone.	170
100.070.012.016/2	100 series pump	7	2	70rpm	12vDC	1.6mm silicone.	170
100.070.012.016/4	100 series pump	6	4	70rpm	12vDC	1.6mm silicone.	170
100.070.012.030/2	100 series pump	18	2	70rpm	12vDC	3mm silicone.	170
100.070.012.030/4	100 series pump	15	4	70rpm	12vDC	3mm silicone.	170
100.150.012.008/2	100 series pump	5	2	150rpm	12vDC	0.8mm silicone.	400
100.150.012.008/4	100 series pump	3	4	150rpm	12vDC	0.8mm silicone.	400
100.150.012.016/2	100 series pump	15	2	150rpm	12vDC	1.6mm silicone.	400
100.150.012.016/4	100 series pump	12	4	150rpm	12vDC	1.6mm silicone.	400
100.150.012.030/2	100 series pump	39	2	150rpm	12vDC	3mm silicone.	400
100.150.012.030/4	100 series pump	33	4	150rpm	12vDC	3mm silicone.	400
100.330.012.008/2	100 series pump	10	2	330rpm	12vDC	0.8mm silicone.	400
100.330.012.008/4	100 series pump	7	4	330rpm	12vDC	0.8mm silicone.	400

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Model No	Series	ml/min	Rollers	RPM	Voltage	Tube id/material	mA
100.330.012.016/2	100 series pump	33	2	330rpm	12vDC	1.6mm silicone.	400
100.330.012.016/4	100 series pump	26	4	330rpm	12vDC	1.6mm silicone.	400
100.330.012.030/2	100 series pump	86	2	330rpm	12vDC	3mm silicone.	400
100.330.012.030/4	100 series pump	73	4	330rpm	12vDC	3mm silicone.	400
100.035.018.008/2	100 series pump	1	2	35rpm	18vDC	0.8mm silicone.	100
100.035.018.008/4	100 series pump	1	4	35rpm	18vDC	0.8mm silicone.	100
100.035.018.016/2	100 series pump	4	2	35rpm	18vDC	1.6mm silicone.	100
100.035.018.016/4	100 series pump	3	4	35rpm	18vDC	1.6mm silicone.	100
100.035.018.030/2	100 series pump	9	2	35rpm	18vDC	3mm silicone.	100
100.035.018.030/4	100 series pump	8	4	35rpm	18vDC	3mm silicone.	100
100.070.018.008/2	100 series pump	2	2	70rpm	18vDC	0.8mm silicone.	115
100.070.018.008/4	100 series pump	2	4	70rpm	18vDC	0.8mm silicone.	115
100.070.018.016/2	100 series pump	7	2	70rpm	18vDC	1.6mm silicone.	115
100.070.018.016/4	100 series pump	6	4	70rpm	18vDC	1.6mm silicone.	115
100.070.018.030/2	100 series pump	18	2	70rpm	18vDC	3mm silicone.	115
100.070.018.030/4	100 series pump	15	4	70rpm	18vDC	3mm silicone.	115
100.035.024.008/2	100 series pump	1	2	35rpm	24vDC	0.8mm silicone.	80
100.035.024.008/4	100 series pump	1	4	35rpm	24vDC	0.8mm silicone.	80
100.035.024.016/2	100 series pump	4	2	35rpm	24vDC	1.6mm silicone.	80
100.035.024.016/4	100 series pump	3	4	35rpm	24vDC	1.6mm silicone.	80
100.035.024.030/2	100 series pump	9	2	35rpm	24vDC	3mm silicone.	80
100.035.024.030/4	100 series pump	8	4	35rpm	24vDC	3mm silicone.	80
100.070.024.008/2	100 series pump	2	2	70rpm	24vDC	0.8mm silicone.	80
100.070.024.008/4	100 series pump	2	4	70rpm	24vDC	0.8mm silicone.	80
100.070.024.016/2	100 series pump	7	2	70rpm	24vDC	1.6mm silicone.	80
100.070.024.016/4	100 series pump	6	4	70rpm	24vDC	1.6mm silicone.	80
100.070.024.030/2	100 series pump	18	2	70rpm	24vDC	3mm silicone.	80
100.070.024.030/4	100 series pump	15	4	70rpm	24vDC	3mm silicone.	80
100-220-024-008/2	100 series pump	7	2	220rpm	24vDC	0.8mm silicone.	400
100-220-024-008/4	100 series pump	5	4	220rpm	24vDC	0.8mm silicone.	400
100-220-024-016/2	100 series pump	22	2	220rpm	24vDC	1.6mm silicone.	400
100-220-024-016/4	100 series pump	18	4	220rpm	24vDC	1.6mm silicone.	400
100-220-024-030/2	100 series pump	57	2	220rpm	24vDC	3.0mm silicone.	400
100-220-024-030/4	100 series pump	48	4	220rpm	24vDC	3.0mm silicone.	400

Please Note:

DC motor RPM will vary according to load. Load on the motor will be influenced by system pressure, fluid specific gravity, fluid viscosity & atmospheric conditions. Flow figures should be used only as an estimate. Customers should run their own tests to establish pump suitability. 150RPM, 220RPM & 330RPM models can be fitted with 230mm flying leads (£5.00) at extra cost.

Models in green can be fitted with cover (£0.88) and 230mm flying leads (£5.00) at extra cost

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### 100 series with DC powered motors

Specification Sheet 3 (last updated May 2013)



The 100 series, micro range of peristaltic pumps offer OEM's a low cost, compact and reliable means of dosing a wide range of liquids. They are available in various configurations of tubing type/ID bore as detailed below. 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.

**Important: The standard version of this pump is supplied sealed so the tube cannot be changed. The pump has been designed so that when the pump head has worn out it is changed as a whole. We are able to supply pumpheads unsealed for customers that wish to change the tubing periodically. Please contact our office for details.**

Model No	Series	ml/min	Rollers	RPM	Voltage	Tube id/material	mA
101.035.006.008/2	100 series pump	1	2	35rpm	6vDC	0.8mm Norprene®	300
101.035.006.008/4	100 series pump	1	4	35rpm	6vDC	0.8mm Norprene®	300
101.035.006.016/2	100 series pump	3	2	35rpm	6vDC	1.6mm Norprene®	300
101.035.006.016/4	100 series pump	2	4	35rpm	6vDC	1.6mm Norprene®	300
101.035.006.030/2	100 series pump	7	2	35rpm	6vDC	3mm Norprene®	300
101.035.006.030/4	100 series pump	6	4	35rpm	6vDC	3mm Norprene®	300
101.070.006.008/2	100 series pump	2	2	70rpm	6vDC	0.8mm Norprene®	300
101.070.006.008/4	100 series pump	1	4	70rpm	6vDC	0.8mm Norprene®	300
101.070.006.016/2	100 series pump	6	2	70rpm	6vDC	1.6mm Norprene®	300
101.070.006.016/4	100 series pump	5	4	70rpm	6vDC	1.6mm Norprene®	300
101.070.006.030/2	100 series pump	14	2	70rpm	6vDC	3mm Norprene®	300
101.070.006.030/4	100 series pump	11	4	70rpm	6vDC	3mm Norprene®	300
101.005.012.008/2	100 series pump	<1	2	5rpm	12vDC	0.8mm Norprene®	60
101.005.012.008/4	100 series pump	<1	4	5rpm	12vDC	0.8mm Norprene®	60
101.005.012.016/2	100 series pump	<1	2	5rpm	12vDC	1.6mm Norprene®	60
101.005.012.016/4	100 series pump	<1	4	5rpm	12vDC	1.6mm Norprene®	60
101.005.012.030/2	100 series pump	1	2	5rpm	12vDC	3mm Norprene®	60
101.005.012.030/4	100 series pump	1	4	5rpm	12vDC	3mm Norprene®	140
101.035.012.008/2	100 series pump	1	2	35rpm	12vDC	0.8mm Norprene®	140
101.035.012.008/4	100 series pump	1	4	35rpm	12vDC	0.8mm Norprene®	140
101.035.012.016/2	100 series pump	3	2	35rpm	12vDC	1.6mm Norprene®	140
101.035.012.016/4	100 series pump	2	4	35rpm	12vDC	1.6mm Norprene®	140
101.035.012.030/2	100 series pump	7	2	35rpm	12vDC	3mm Norprene®	140
101.035.012.030/4	100 series pump	6	4	35rpm	12vDC	3mm Norprene®	140
101.070.012.008/2	100 series pump	2	2	70rpm	12vDC	0.8mm Norprene®	170
101.070.012.008/4	100 series pump	1	4	70rpm	12vDC	0.8mm Norprene®	170
101.070.012.016/2	100 series pump	6	2	70rpm	12vDC	1.6mm Norprene®	170
101.070.012.016/4	100 series pump	5	4	70rpm	12vDC	1.6mm Norprene®	170
101.070.012.030/2	100 series pump	14	2	70rpm	12vDC	3mm Norprene®	170
101.070.012.030/4	100 series pump	11	4	70rpm	12vDC	3mm Norprene®	170
101.150.012.008/2	100 series pump	4	2	150rpm	12vDC	0.8mm Norprene®	400
101.150.012.008/4	100 series pump	3	4	150rpm	12vDC	0.8mm Norprene®	400
101.150.012.016/2	100 series pump	14	2	150rpm	12vDC	1.6mm Norprene®	400
101.150.012.016/4	100 series pump	11	4	150rpm	12vDC	1.6mm Norprene®	400
101.150.012.030/2	100 series pump	30	2	150rpm	12vDC	3mm Norprene®	400
<b>101.150.012.030/4</b>	<b>100 series pump</b>	<b>24</b>	<b>4</b>	<b>150rpm</b>	<b>12vDC</b>	<b>3mm Norprene®</b>	<b>400</b>
101.330.012.008/2	100 series pump	9	2	330rpm	12vDC	0.8mm Norprene®	400

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101.330.012.008/4	100 series pump	7	4	330rpm	12vDC	0.8mm	Norprene®	400
Model No	Series	ml/min	Rollers	RPM	Voltage	Tube id/material		mA
101.330.012.016/2	100 series pump	30	2	330rpm	12vDC	1.6mm	Norprene®	400
101.330.012.016/4	100 series pump	23	4	330rpm	12vDC	1.6mm	Norprene®	400
101.330.012.030/2	100 series pump	66	2	330rpm	12vDC	3mm	Norprene®	400
<b>101.330.012.030/4</b>	<b>100 series pump</b>	<b>53</b>	<b>4</b>	<b>330rpm</b>	<b>12vDC</b>	<b>3mm</b>	<b>Norprene®</b>	<b>400</b>
101.035.018.008/2	100 series pump	1	2	35rpm	18vDC	0.8mm	Norprene®	100
101.035.018.008/4	100 series pump	1	4	35rpm	18vDC	0.8mm	Norprene®	100
101.035.018.016/2	100 series pump	3	2	35rpm	18vDC	1.6mm	Norprene®	100
101.035.018.016/4	100 series pump	2	4	35rpm	18vDC	1.6mm	Norprene®	100
101.035.018.030/2	100 series pump	7	2	35rpm	18vDC	3mm	Norprene®	100
101.035.018.030/4	100 series pump	6	4	35rpm	18vDC	3mm	Norprene®	115
101.070.018.008/2	100 series pump	2	2	70rpm	18vDC	0.8mm	Norprene®	115
101.070.018.008/4	100 series pump	1	4	70rpm	18vDC	0.8mm	Norprene®	115
101.070.018.016/2	100 series pump	6	2	70rpm	18vDC	1.6mm	Norprene®	115
101.070.018.016/4	100 series pump	5	4	70rpm	18vDC	1.6mm	Norprene®	115
101.070.018.030/2	100 series pump	14	2	70rpm	18vDC	3mm	Norprene®	115
101.070.018.030/4	100 series pump	11	4	70rpm	18vDC	3mm	Norprene®	115
101.035.024.008/2	100 series pump	1	2	35rpm	24vDC	0.8mm	Norprene®	80
101.035.024.008/4	100 series pump	1	4	35rpm	24vDC	0.8mm	Norprene®	80
101.035.024.016/2	100 series pump	3	2	35rpm	24vDC	1.6mm	Norprene®	80
101.035.024.016/4	100 series pump	2	4	35rpm	24vDC	1.6mm	Norprene®	80
101.035.024.030/2	100 series pump	7	2	35rpm	24vDC	3mm	Norprene®	80
101.035.024.030/4	100 series pump	6	4	35rpm	24vDC	3mm	Norprene®	80
101-220-024-008/2	100 series pump	6	2	220rpm	24vDC	0.8mm	Norprene®	400
101-220-024-008/4	100 series pump	4	4	220rpm	24vDC	0.8mm	Norprene®	400
101-220-024-016/2	100 series pump	20	2	220rpm	24vDC	1.6mm	Norprene®	400
101-220-024-016/4	100 series pump	15	4	220rpm	24vDC	1.6mm	Norprene®	400
101-220-024-030/2	100 series pump	44	2	220rpm	24vDC	3.0mm	Norprene®	400
<b>101-220-024-030/4</b>	<b>100 series pump</b>	<b>35</b>	<b>4</b>	<b>220rpm</b>	<b>24vDC</b>	<b>3.0mm</b>	<b>Norprene®</b>	<b>400</b>

Please Note:

DC motor RPM will vary according to load. Load on the motor will be influenced by system pressure, fluid specific gravity, fluid viscosity & atmospheric conditions.

Flow figures should be used only as an estimate. Customers should run their own tests to establish pump suitability

150RPM, 220RPM & 330RPM models can be fitted with 230mm flying leads (£5.00) at extra cost

Models in green can be fitted with cover (£0.88) and 230mm flying leads (£5.00) at extra cost

Models in blue should not be run too fast. For advice please contact our technical department.

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### 100 series with DC powered motors

Specification Sheet 5 (last updated May 2013)



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Model No	Series	ml/min	Rollers	RPM	Voltage	Tube id/material	mA
102.035.006.008/2	100 series pump	1	2	35rpm	6vDC	0.8mm Viton®	300
102.035.006.008/4	100 series pump	1	4	35rpm	6vDC	0.8mm Viton®	300
102.035.006.016/2	100 series pump	3	2	35rpm	6vDC	1.6mm Viton®	300
102.035.006.016/4	100 series pump	2	4	35rpm	6vDC	1.6mm Viton®	300
102.035.006.030/2	100 series pump	6	2	35rpm	6vDC	3mm Viton®	300
102.035.006.030/4	100 series pump	5	4	35rpm	6vDC	3mm Viton®	300
102.070.006.008/2	100 series pump	2	2	70rpm	6vDC	0.8mm Viton®	300
102.070.006.008/4	100 series pump	1	4	70rpm	6vDC	0.8mm Viton®	300
102.070.006.016/2	100 series pump	6	2	70rpm	6vDC	1.6mm Viton®	300
102.070.006.016/4	100 series pump	4	4	70rpm	6vDC	1.6mm Viton®	300
102.070.006.030/2	100 series pump	13	2	70rpm	6vDC	3mm Viton®	300
102.070.006.030/4	100 series pump	10	4	70rpm	6vDC	3mm Viton®	300
102.005.012.008/2	100 series pump	<1	2	5rpm	12vDC	0.8mm Viton®	60
102.005.012.008/4	100 series pump	<1	4	5rpm	12vDC	0.8mm Viton®	60
102.005.012.016/2	100 series pump	<1	2	5rpm	12vDC	1.6mm Viton®	60
102.005.012.016/4	100 series pump	<1	4	5rpm	12vDC	1.6mm Viton®	60
102.005.012.030/2	100 series pump	1	2	5rpm	12vDC	3mm Viton®	60
102.005.012.030/4	100 series pump	1	4	5rpm	12vDC	3mm Viton®	140
102.035.012.008/2	100 series pump	1	2	35rpm	12vDC	0.8mm Viton®	140
102.035.012.008/4	100 series pump	1	4	35rpm	12vDC	0.8mm Viton®	140
102.035.012.016/2	100 series pump	3	2	35rpm	12vDC	1.6mm Viton®	140
102.035.012.016/4	100 series pump	2	4	35rpm	12vDC	1.6mm Viton®	140
102.035.012.030/2	100 series pump	6	2	35rpm	12vDC	3mm Viton®	140
102.035.012.030/4	100 series pump	5	4	35rpm	12vDC	3mm Viton®	140
102.070.012.008/2	100 series pump	2	2	70rpm	12vDC	0.8mm Viton®	170
102.070.012.008/4	100 series pump	1	4	70rpm	12vDC	0.8mm Viton®	170
102.070.012.016/2	100 series pump	6	2	70rpm	12vDC	1.6mm Viton®	170
102.070.012.016/4	100 series pump	4	4	70rpm	12vDC	1.6mm Viton®	170
102.070.012.030/2	100 series pump	13	2	70rpm	12vDC	3mm Viton®	170
102.070.012.030/4	100 series pump	10	4	70rpm	12vDC	3mm Viton®	170
102.150.012.008/2	100 series pump	4	2	150rpm	12vDC	0.8mm Viton®	400
102.150.012.008/4	100 series pump	2	4	150rpm	12vDC	0.8mm Viton®	400
102.150.012.016/2	100 series pump	12	2	150rpm	12vDC	1.6mm Viton®	400
102.150.012.016/4	100 series pump	9	4	150rpm	12vDC	1.6mm Viton®	400
102.150.012.030/2	100 series pump	27	2	150rpm	12vDC	3mm Viton®	400
102.150.012.030/4	100 series pump	21	4	150rpm	12vDC	3mm Viton®	400
102.330.012.008/2	100 series pump	8	2	330rpm	12vDC	0.8mm Viton®	400

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102.330.012.008/4	100 series pump	5	4	330rpm	12vDC	0.8mm	Viton®	400
<b>Model No</b>	<b>Series</b>	<b>ml/min</b>	<b>Rollers</b>	<b>RPM</b>	<b>Voltage</b>	<b>Tube id/material</b>		<b>mA</b>
102.330.012.016/2	100 series pump	26	2	330rpm	12vDC	1.6mm	Viton®	400
102.330.012.016/4	100 series pump	20	4	330rpm	12vDC	1.6mm	Viton®	400
<b>102.330.012.030/2</b>	<b>100 series pump</b>	<b>59</b>	<b>2</b>	<b>330rpm</b>	<b>12vDC</b>	<b>3mm</b>	<b>Viton®</b>	<b>400</b>
101.035.018.008/2	100 series pump	1	2	35rpm	18vDC	0.8mm	Viton®	100
101.035.018.008/4	100 series pump	1	4	35rpm	18vDC	0.8mm	Viton®	100
101.035.018.016/2	100 series pump	3	2	35rpm	18vDC	1.6mm	Viton®	100
101.035.018.016/4	100 series pump	2	4	35rpm	18vDC	1.6mm	Viton®	100
101.035.018.030/2	100 series pump	6	2	35rpm	18vDC	3mm	Viton®	100
101.035.018.030/4	100 series pump	5	4	35rpm	18vDC	3mm	Viton®	100
101.070.018.008/2	100 series pump	2	2	70rpm	18vDC	0.8mm	Viton®	115
101.070.018.008/4	100 series pump	1	4	70rpm	18vDC	0.8mm	Viton®	115
101.070.018.016/2	100 series pump	6	2	70rpm	18vDC	1.6mm	Viton®	115
101.070.018.016/4	100 series pump	4	4	70rpm	18vDC	1.6mm	Viton®	115
101.070.018.030/2	100 series pump	13	2	70rpm	18vDC	3mm	Viton®	115
101.070.018.030/4	100 series pump	10	4	70rpm	18vDC	3mm	Viton®	115
102.035.024.008/2	100 series pump	1	2	35rpm	24vDC	0.8mm	Viton®	80
102.035.024.008/4	100 series pump	1	4	35rpm	24vDC	0.8mm	Viton®	80
102.035.024.016/2	100 series pump	3	2	35rpm	24vDC	1.6mm	Viton®	80
102.035.024.016/4	100 series pump	2	4	35rpm	24vDC	1.6mm	Viton®	80
102.035.024.030/2	100 series pump	6	2	35rpm	24vDC	3mm	Viton®	80
102.035.024.030/4	100 series pump	5	4	35rpm	24vDC	3mm	Viton®	80
102-220-024-008/2	100 series pump	6	2	220rpm	24vDC	0.8mm	Viton®	400
102-220-024-008/4	100 series pump	4	4	220rpm	24vDC	0.8mm	Viton®	400
102-220-024-016/2	100 series pump	18	2	220rpm	24vDC	1.6mm	Viton®	400
102-220-024-016/4	100 series pump	13	4	220rpm	24vDC	1.6mm	Viton®	400
102-220-024-030/2	100 series pump	40	2	220rpm	24vDC	3.0mm	Viton®	400

Please Note:

DC motor RPM will vary according to load. Load on the motor will be influenced by system pressure, fluid specific gravity, fluid viscosity & atmospheric conditions.

Flow figures should be used only as an estimate. Customers should run their own tests to establish pump suitability

150RPM, 220RPM & 330RPM models can be fitted with 230mm flying leads (£5.00) at extra cost

Models in green can be fitted with cover (£0.88) and 230mm flying leads (£5.00) at extra cost

Models in blue should not be run too fast. For advice please contact our technical department.

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