

### 200 series with DC powered motor

Specification Sheet 1 (last updated May 2019)



The 200 series, mini 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.**

#### Silicone

| Model No        | Series          | ml/min | Rollers | RPM    | Voltage | Tube id/material | mA  |
|-----------------|-----------------|--------|---------|--------|---------|------------------|-----|
| 200.035.006.008 | 200 series pump | 2.3    | 3       | 35rpm  | 6vDC    | 0.8mm silicone.  | 300 |
| 200.035.006.016 | 200 series pump | 7      | 3       | 35rpm  | 6vDC    | 1.6mm silicone.  | 300 |
| 200.035.006.030 | 200 series pump | 20     | 3       | 35rpm  | 6vDC    | 3mm silicone.    | 300 |
| 200.035.006.050 | 200 series pump | 40     | 3       | 35rpm  | 6vDC    | 5mm silicone.    | 300 |
| 200.070.006.008 | 200 series pump | 4.6    | 3       | 70rpm  | 6vDC    | 0.8mm silicone.  | 300 |
| 200.070.006.016 | 200 series pump | 14     | 3       | 70rpm  | 6vDC    | 1.6mm silicone.  | 300 |
| 200.070.006.030 | 200 series pump | 40     | 3       | 70rpm  | 6vDC    | 3mm silicone.    | 300 |
| 200.070.006.050 | 200 series pump | 80     | 3       | 70rpm  | 6vDC    | 5mm silicone.    | 300 |
| 200.005.012.008 | 200 series pump | 0.3    | 3       | 5rpm   | 12vDC   | 0.8mm silicone.  | 60  |
| 200.005.012.016 | 200 series pump | 1      | 3       | 5rpm   | 12vDC   | 1.6mm silicone.  | 60  |
| 200.005.012.030 | 200 series pump | 3      | 3       | 5rpm   | 12vDC   | 3mm silicone.    | 60  |
| 200.005.012.050 | 200 series pump | 6      | 3       | 5rpm   | 12vDC   | 5mm silicone.    | 60  |
| 200.035.012.008 | 200 series pump | 2.3    | 3       | 35rpm  | 12vDC   | 0.8mm silicone.  | 140 |
| 200.035.012.016 | 200 series pump | 7      | 3       | 35rpm  | 12vDC   | 1.6mm silicone.  | 140 |
| 200.035.012.030 | 200 series pump | 20     | 3       | 35rpm  | 12vDC   | 3mm silicone.    | 140 |
| 200.035.012.050 | 200 series pump | 40     | 3       | 35rpm  | 12vDC   | 5mm silicone.    | 140 |
| 200.070.012.008 | 200 series pump | 4.6    | 3       | 70rpm  | 12vDC   | 0.8mm silicone.  | 170 |
| 200.070.012.016 | 200 series pump | 14     | 3       | 70rpm  | 12vDC   | 1.6mm silicone.  | 170 |
| 200.070.012.030 | 200 series pump | 40     | 3       | 70rpm  | 12vDC   | 3mm silicone.    | 170 |
| 200.070.012.050 | 200 series pump | 80     | 3       | 70rpm  | 12vDC   | 5mm silicone.    | 170 |
| 200.150.012.008 | 200 series pump | 10     | 3       | 150rpm | 12vDC   | 0.8mm silicone.  | 400 |
| 200.150.012.016 | 200 series pump | 30     | 3       | 150rpm | 12vDC   | 1.6mm silicone.  | 400 |
| 200.150.012.030 | 200 series pump | 90     | 3       | 150rpm | 12vDC   | 3mm silicone.    | 400 |
| 200.150.012.050 | 200 series pump | 180    | 3       | 150rpm | 12vDC   | 5mm silicone.    | 400 |
| 200.330.012.008 | 200 series pump | 22     | 3       | 330rpm | 12vDC   | 0.8mm silicone.  | 400 |
| 200.330.012.016 | 200 series pump | 66     | 3       | 330rpm | 12vDC   | 1.6mm silicone.  | 400 |
| 200.330.012.030 | 200 series pump | 198    | 3       | 330rpm | 12vDC   | 3mm silicone.    | 400 |
| 200.330.012.050 | 200 series pump | 396    | 3       | 330rpm | 12vDC   | 5mm silicone.    | 400 |
| 200.035.018.008 | 200 series pump | 2.3    | 3       | 35rpm  | 18vDC   | 0.8mm silicone.  | 100 |
| 200.035.018.016 | 200 series pump | 7      | 3       | 35rpm  | 18vDC   | 1.6mm silicone.  | 100 |
| 200.035.018.030 | 200 series pump | 20     | 3       | 35rpm  | 18vDC   | 3mm silicone.    | 100 |
| 200.035.018.050 | 200 series pump | 40     | 3       | 35rpm  | 18vDC   | 5mm silicone.    | 100 |

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| Model No        | Series          | ml/min | Rollers | RPM    | Voltage | Tube id/material | mA  |
|-----------------|-----------------|--------|---------|--------|---------|------------------|-----|
| 200.070.018.008 | 200 series pump | 4.6    | 3       | 70rpm  | 18vDC   | 0.8mm silicone.  | 115 |
| 200.070.018.016 | 200 series pump | 14     | 3       | 70rpm  | 18vDC   | 1.6mm silicone.  | 115 |
| 200.070.018.030 | 200 series pump | 40     | 3       | 70rpm  | 18vDC   | 3mm silicone.    | 115 |
| 200.070.018.050 | 200 series pump | 80     | 3       | 70rpm  | 18vDC   | 5mm silicone.    | 115 |
| 200.035.024.008 | 200 series pump | 2.3    | 3       | 35rpm  | 24vDC   | 0.8mm silicone.  | 80  |
| 200.035.024.016 | 200 series pump | 7      | 3       | 35rpm  | 24vDC   | 1.6mm silicone.  | 80  |
| 200.035.024.030 | 200 series pump | 20     | 3       | 35rpm  | 24vDC   | 3mm silicone.    | 80  |
| 200.035.024.050 | 200 series pump | 40     | 3       | 35rpm  | 24vDC   | 5mm silicone.    | 80  |
| 200.070.024.008 | 200 series pump | 4.6    | 3       | 70rpm  | 24vDC   | 0.8mm silicone.  | 90  |
| 200.070.024.016 | 200 series pump | 14     | 3       | 70rpm  | 24vDC   | 1.6mm silicone.  | 90  |
| 200.070.024.030 | 200 series pump | 40     | 3       | 70rpm  | 24vDC   | 3mm silicone.    | 90  |
| 200.070.024.050 | 200 series pump | 80     | 3       | 70rpm  | 24vDC   | 5mm silicone.    | 90  |
| 200-220-024-008 | 200 series pump | 14     | 3       | 220rpm | 24vDC   | 0.8mm silicone.  | 200 |
| 200-220-024-016 | 200 series pump | 44     | 3       | 220rpm | 24vDC   | 1.6mm silicone.  | 200 |
| 200-220-024-030 | 200 series pump | 132    | 3       | 220rpm | 24vDC   | 3.0mm silicone.  | 200 |
| 200-220-024-050 | 200 series pump | 264    | 3       | 220rpm | 24vDC   | 5.0mm silicone.  | 300 |

### Santoprene

|                  |                 |     |   |        |       |                 |     |
|------------------|-----------------|-----|---|--------|-------|-----------------|-----|
| 201.035.006.008  | 200 series pump | 2.3 | 3 | 35rpm  | 6vDC  | 0.8mm Norprene® | 300 |
| 201.035.006.016  | 200 series pump | 7   | 3 | 35rpm  | 6vDC  | 1.6mm Norprene® | 300 |
| 201.035.006.030  | 200 series pump | 19  | 3 | 35rpm  | 6vDC  | 3mm Norprene®   | 300 |
| 201.035.006.050  | 200 series pump | 38  | 3 | 35rpm  | 6vDC  | 5mm Norprene®   | 300 |
| 201F.035.006.050 | 200 series pump | 38  | 3 | 35rpm  | 6vDC  | 5mm Food sant   | 300 |
| 201.070.006.008  | 200 series pump | 4.6 | 3 | 70rpm  | 6vDC  | 0.8mm Norprene® | 300 |
| 201.070.006.016  | 200 series pump | 14  | 3 | 70rpm  | 6vDC  | 1.6mm Norprene® | 300 |
| 201.070.006.030  | 200 series pump | 38  | 3 | 70rpm  | 6vDC  | 3mm Norprene®   | 300 |
| 201.070.006.050  | 200 series pump | 76  | 3 | 70rpm  | 6vDC  | 5mm Norprene®   | 300 |
| 201F.070.006.050 | 200 series pump | 76  | 3 | 70rpm  | 6vDC  | 5mm Food sant   | 300 |
| 201.005.012.008  | 200 series pump | 0.3 | 3 | 5rpm   | 12vDC | 0.8mm Norprene® | 60  |
| 201.005.012.016  | 200 series pump | 1   | 3 | 5rpm   | 12vDC | 1.6mm Norprene® | 60  |
| 201.005.012.030  | 200 series pump | 2.7 | 3 | 5rpm   | 12vDC | 3mm Norprene®   | 60  |
| 201.005.012.050  | 200 series pump | 5.4 | 3 | 5rpm   | 12vDC | 5mm Norprene®   | 60  |
| 201F.005.012.050 | 200 series pump | 5.4 | 3 | 5rpm   | 12vDC | 5mm Food sant   | 60  |
| 201.035.012.008  | 200 series pump | 2.3 | 3 | 35rpm  | 12vDC | 0.8mm Norprene® | 140 |
| 201.035.012.016  | 200 series pump | 7   | 3 | 35rpm  | 12vDC | 1.6mm Norprene® | 140 |
| 201.035.012.030  | 200 series pump | 19  | 3 | 35rpm  | 12vDC | 3mm Norprene®   | 140 |
| 201.035.012.050  | 200 series pump | 38  | 3 | 35rpm  | 12vDC | 5mm Norprene®   | 140 |
| 201F.035.012.050 | 200 series pump | 38  | 3 | 35rpm  | 12vDC | 5mm Food sant   | 140 |
| 201.070.012.008  | 200 series pump | 4.6 | 3 | 70rpm  | 12vDC | 0.8mm Norprene® | 170 |
| 201.070.012.016  | 200 series pump | 14  | 3 | 70rpm  | 12vDC | 1.6mm Norprene® | 170 |
| 201.070.012.030  | 200 series pump | 38  | 3 | 70rpm  | 12vDC | 3mm Norprene®   | 170 |
| 201.070.012.050  | 200 series pump | 76  | 3 | 70rpm  | 12vDC | 5mm Norprene®   | 170 |
| 201F.070.012.050 | 200 series pump | 76  | 3 | 70rpm  | 12vDC | 5mm Food sant   | 170 |
| 201.150.012.008  | 200 series pump | 10  | 3 | 150rpm | 12vDC | 0.8mm Norprene® | 400 |
| 201.150.012.016  | 200 series pump | 30  | 3 | 150rpm | 12vDC | 1.6mm Norprene® | 400 |
| 201.150.012.030  | 200 series pump | 81  | 3 | 150rpm | 12vDC | 3mm Norprene®   | 400 |
| 201.150.012.050  | 200 series pump | 162 | 3 | 150rpm | 12vDC | 5mm Norprene®   | 400 |

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| Model No         | Series          | ml/min | Rollers | RPM    | Voltage | Tube id | Material  | mA  |
|------------------|-----------------|--------|---------|--------|---------|---------|-----------|-----|
| 201F.150.012.050 | 200 series pump | 162    | 3       | 150rpm | 12vDC   | 5mm     | Food sant | 400 |
| 201.330.012.008  | 200 series pump | 22     | 3       | 330rpm | 12vDC   | 0.8mm   | Norprene® | 400 |
| 201.330.012.016  | 200 series pump | 66     | 3       | 330rpm | 12vDC   | 1.6mm   | Norprene® | 400 |
| 201.330.012.030  | 200 series pump | 178    | 3       | 330rpm | 12vDC   | 3mm     | Norprene® | 400 |
| 201.330.012.050  | 200 series pump | 356    | 3       | 330rpm | 12vDC   | 5mm     | Norprene® | 400 |
| 201F.330.012.050 | 200 series pump | 356    | 3       | 330rpm | 12vDC   | 5mm     | Food sant | 400 |
| 201.035.018.008  | 200 series pump | 2.3    | 3       | 35rpm  | 18vDC   | 0.8mm   | Norprene® | 100 |
| 201.035.018.016  | 200 series pump | 7      | 3       | 35rpm  | 18vDC   | 1.6mm   | Norprene® | 100 |
| 201.035.018.030  | 200 series pump | 19     | 3       | 35rpm  | 18vDC   | 3mm     | Norprene® | 100 |
| 201.035.018.050  | 200 series pump | 38     | 3       | 35rpm  | 18vDC   | 5mm     | Norprene® | 100 |
| 201F.035.018.050 | 200 series pump | 38     | 3       | 35rpm  | 18vDC   | 5mm     | Food sant | 100 |
| 201.070.018.008  | 200 series pump | 4.6    | 3       | 70rpm  | 18vDC   | 0.8mm   | Norprene® | 115 |
| 201.070.018.016  | 200 series pump | 14     | 3       | 70rpm  | 18vDC   | 1.6mm   | Norprene® | 115 |
| 201.070.018.030  | 200 series pump | 38     | 3       | 70rpm  | 18vDC   | 3mm     | Norprene® | 115 |
| 201.070.018.050  | 200 series pump | 76     | 3       | 70rpm  | 18vDC   | 5mm     | Norprene® | 115 |
| 201F.070.018.050 | 200 series pump | 76     | 3       | 70rpm  | 18vDC   | 5mm     | Food sant | 115 |
| 201.035.024.008  | 200 series pump | 2.3    | 3       | 35rpm  | 24vDC   | 0.8mm   | Norprene® | 80  |
| 201.035.024.016  | 200 series pump | 7      | 3       | 35rpm  | 24vDC   | 1.6mm   | Norprene® | 80  |
| 201.035.024.030  | 200 series pump | 19     | 3       | 35rpm  | 24vDC   | 3mm     | Norprene® | 80  |
| 201.035.024.050  | 200 series pump | 38     | 3       | 35rpm  | 24vDC   | 5mm     | Norprene® | 80  |
| 201F.035.024.050 | 200 series pump | 38     | 3       | 35rpm  | 24vDC   | 5mm     | Food sant | 80  |
| 201-220-024-008  | 200 series pump | 14     | 3       | 220rpm | 24vDC   | 0.8mm   | Norprene® | 400 |
| 201-220-024-016  | 200 series pump | 44     | 3       | 220rpm | 24vDC   | 1.6mm   | Norprene® | 400 |
| 201-220-024-030  | 200 series pump | 119    | 3       | 220rpm | 24vDC   | 3.0mm   | Norprene® | 400 |
| 201-220-024-050  | 200 series pump | 238    | 3       | 220rpm | 24vDC   | 5.0mm   | Norprene® | 400 |
| 201F-220-024-050 | 200 series pump | 238    | 3       | 220rpm | 24vDC   | 5.0mm   | Norprene® | 400 |

### Viton

|                 |                 |      |   |       |       |       |        |     |
|-----------------|-----------------|------|---|-------|-------|-------|--------|-----|
| 202.035.006.008 | 200 series pump | 1.8  | 3 | 35rpm | 6vDC  | 0.8mm | Viton® | 300 |
| 202.035.006.016 | 200 series pump | 6    | 3 | 35rpm | 6vDC  | 1.6mm | Viton® | 300 |
| 202.035.006.030 | 200 series pump | 16   | 3 | 35rpm | 6vDC  | 3mm   | Viton® | 300 |
| 202.035.006.050 | 200 series pump | 32   | 3 | 35rpm | 6vDC  | 5mm   | Viton® | 300 |
| 202.070.006.008 | 200 series pump | 3.6  | 3 | 70rpm | 6vDC  | 0.8mm | Viton® | 300 |
| 202.070.006.016 | 200 series pump | 12   | 3 | 70rpm | 6vDC  | 1.6mm | Viton® | 300 |
| 202.070.006.030 | 200 series pump | 32   | 3 | 70rpm | 6vDC  | 3mm   | Viton® | 300 |
| 202.070.006.050 | 200 series pump | 74   | 3 | 70rpm | 6vDC  | 5mm   | Viton® | 300 |
| 202.005.012.008 | 200 series pump | 0.3  | 3 | 5rpm  | 12vDC | 0.8mm | Viton® | 60  |
| 202.005.012.016 | 200 series pump | 0.85 | 3 | 5rpm  | 12vDC | 1.6mm | Viton® | 60  |
| 202.005.012.030 | 200 series pump | 2.3  | 3 | 5rpm  | 12vDC | 3mm   | Viton® | 60  |
| 202.005.012.050 | 200 series pump | 4.6  | 3 | 5rpm  | 12vDC | 5mm   | Viton® | 60  |
| 202.035.012.008 | 200 series pump | 1.8  | 3 | 35rpm | 12vDC | 0.8mm | Viton® | 140 |
| 202.035.012.016 | 200 series pump | 6    | 3 | 35rpm | 12vDC | 1.6mm | Viton® | 140 |
| 202.035.012.030 | 200 series pump | 16   | 3 | 35rpm | 12vDC | 3mm   | Viton® | 140 |
| 202.035.012.050 | 200 series pump | 32   | 3 | 35rpm | 12vDC | 5mm   | Viton® | 140 |
| 202.070.012.008 | 200 series pump | 3.6  | 3 | 70rpm | 12vDC | 0.8mm | Viton® | 170 |
| 202.070.012.016 | 200 series pump | 12   | 3 | 70rpm | 12vDC | 1.6mm | Viton® | 170 |
| 202.070.012.030 | 200 series pump | 32   | 3 | 70rpm | 12vDC | 3mm   | Viton® | 170 |
| 202.070.012.050 | 200 series pump | 74   | 3 | 70rpm | 12vDC | 5mm   | Viton® | 170 |

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| Model No        | Series          | ml/min | Rollers | RPM    | Voltage | Tube id | Material | mA  |
|-----------------|-----------------|--------|---------|--------|---------|---------|----------|-----|
| 202.150.012.008 | 200 series pump | 8.5    | 3       | 150rpm | 12vDC   | 0.8mm   | Viton®   | 400 |
| 202.150.012.016 | 200 series pump | 26     | 3       | 150rpm | 12vDC   | 1.6mm   | Viton®   | 400 |
| 202.150.012.030 | 200 series pump | 68     | 3       | 150rpm | 12vDC   | 3mm     | Viton®   | 400 |
| 202.150.012.050 | 200 series pump | 135    | 3       | 150rpm | 12vDC   | 5mm     | Viton®   | 400 |
| 202.330.012.008 | 200 series pump | 19     | 3       | 330rpm | 12vDC   | 0.8mm   | Viton®   | 400 |
| 202.330.012.016 | 200 series pump | 56     | 3       | 330rpm | 12vDC   | 1.6mm   | Viton®   | 400 |
| 202.330.012.030 | 200 series pump | 149    | 3       | 330rpm | 12vDC   | 3mm     | Viton®   | 400 |
| 202.330.012.050 | 200 series pump | 297    | 3       | 330rpm | 12vDC   | 5mm     | Viton®   | 400 |
| 202.035.018.008 | 200 series pump | 1.8    | 3       | 35rpm  | 18vDC   | 0.8mm   | Viton®   | 100 |
| 202.035.018.016 | 200 series pump | 6      | 3       | 35rpm  | 18vDC   | 1.6mm   | Viton®   | 100 |
| 202.035.018.030 | 200 series pump | 16     | 3       | 35rpm  | 18vDC   | 3mm     | Viton®   | 100 |
| 202.035.018.050 | 200 series pump | 32     | 3       | 35rpm  | 18vDC   | 5mm     | Viton®   | 100 |
| 202.070.018.008 | 200 series pump | 3.6    | 3       | 70rpm  | 18vDC   | 0.8mm   | Viton®   | 115 |
| 202.070.018.016 | 200 series pump | 12     | 3       | 70rpm  | 18vDC   | 1.6mm   | Viton®   | 115 |
| 202.070.018.030 | 200 series pump | 32     | 3       | 70rpm  | 18vDC   | 3mm     | Viton®   | 115 |
| 202.035.024.008 | 200 series pump | 1.8    | 3       | 35rpm  | 24vDC   | 0.8mm   | Viton®   | 80  |
| 202.035.024.016 | 200 series pump | 6      | 3       | 35rpm  | 24vDC   | 1.6mm   | Viton®   | 80  |
| 202.035.024.030 | 200 series pump | 16     | 3       | 35rpm  | 24vDC   | 3mm     | Viton®   | 80  |
| 202.035.024.050 | 200 series pump | 32     | 3       | 35rpm  | 24vDC   | 5mm     | Viton®   | 80  |
| 202.220.024.008 | 200 series pump | 13     | 3       | 220rpm | 24vDC   | 0.8mm   | Viton®   | 400 |
| 202.220.024.016 | 200 series pump | 38     | 3       | 220rpm | 24vDC   | 1.6mm   | Viton®   | 400 |
| 202.220.024.030 | 200 series pump | 99     | 3       | 220rpm | 24vDC   | 3mm     | Viton®   | 400 |
| 202.220.024.050 | 200 series pump | 198    | 3       | 220rpm | 24vDC   | 5mm     | Viton®   | 400 |

Current draw figures are approximate to allow the user to select a power supply to run the pump. They will vary according to load which includes tube material, temperature, fluid sg, fluid viscosity, system pressure and atmospheric conditions. Flow figures quoted should only be used as a guide. Customers should run their own tests for exact figures.

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

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

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