

# 400 VDL/RXMD pump

400/RXMD series panel mount pumps

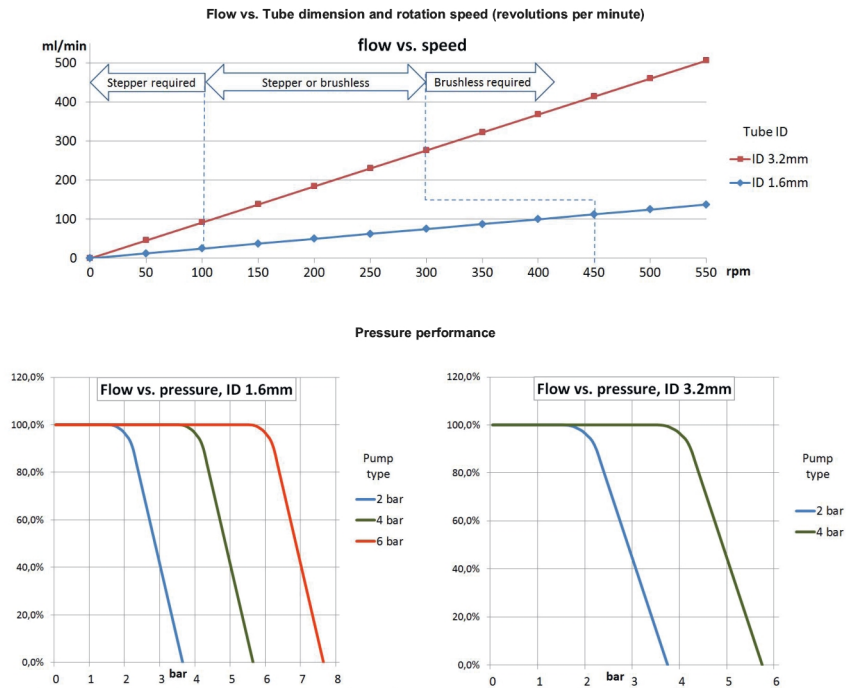
## Features

- Flows up to 500 ml/min set to relieve at specific pressures exceeding 6 bar
- Simple tube-set replacement with automated tube clamps and quick lever loading
- Accurate and consistent fluid delivery through an innovative pump setting mechanism
- Precision-machined for high performance and long service life
- Customized end of line performance testing
- Quiet running
- Easy to clean



## 400 VDL/RXMD pump performance

| Electrical parameters |                        |                        |                     |
|-----------------------|------------------------|------------------------|---------------------|
| Standard Motor        | Min. power (W)         | Max. power (W)         | Current consumption |
| Brushless 24V         | 10 W @ 2 bar ID 1.6 mm | 30 W @ 4 bar ID 3.2 mm | Max. 1250 mA        |



Pressure performance is valid for standard pumps with Tygon E3603 at 200 rpm

Technical specifications

|                                  | 400 VDL/RXMD pump                           |
|----------------------------------|---------------------------------------------|
| Motor types                      | Variable speed brushless DC motor           |
| Pumphead options                 | RX, RXMD                                    |
| FlowRateRange                    | 0 ml/min to 500 ml/min                      |
|                                  | 100 rpm to 550                              |
| Supply voltage                   | 24VDC                                       |
| Operating temperature            | 41 °F to 104 °F (5 °C to 40 °C)             |
| Rated Power                      | 30 W                                        |
| Control options                  | Fixed speed, 0-10 V, 4-20 mA, Potentiometer |
| Outputs                          | Tacho                                       |
| Weight                           | 2.756 lbs (1.25 kg)                         |
| Compatible tubing bore size      | 1.6, 3.2 mm                                 |
| Compatible tubing wall thickness | 1.6 mm                                      |

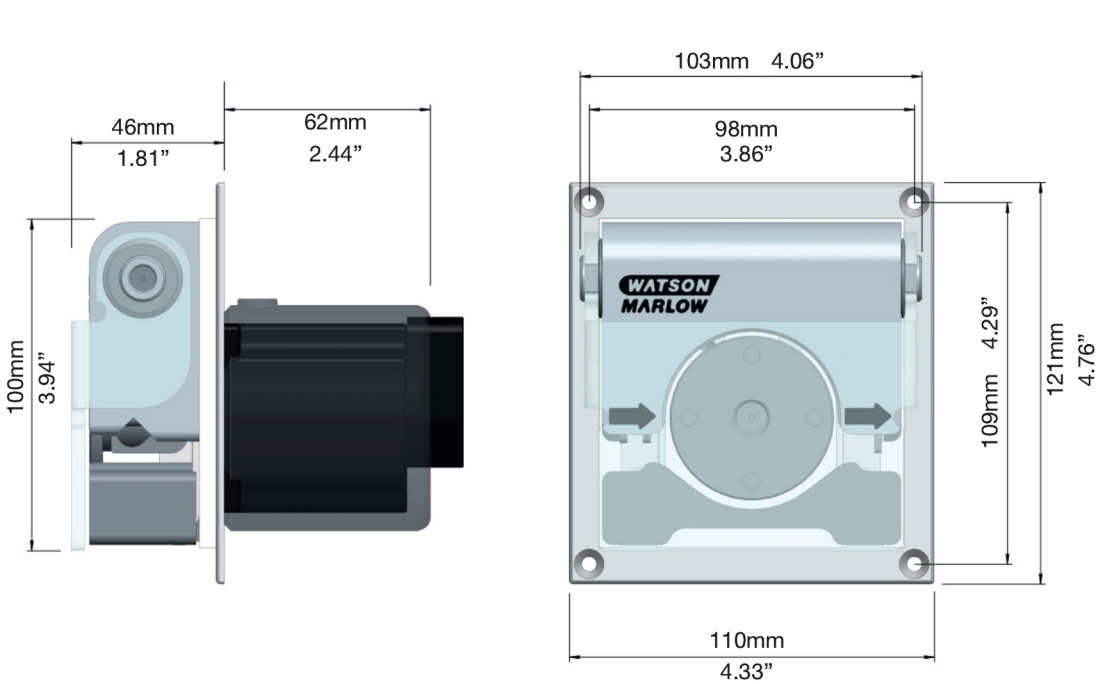
For detailed specifications of individual models refer to product reference manual or contact WMFTS representative.

Materials of construction

|                          | 400 VDL/RXMD pump                  |
|--------------------------|------------------------------------|
| Pumphead body assembly   | Acrylic glass, Anodized aluminum   |
| Pumphead rotor assembly  | Anodized aluminum, Stainless steel |
| Pumphead roller assembly | Stainless steel                    |
| Bearings                 | Acetal                             |
| Driveshaft               | Stainless steel                    |
| Springs                  | Stainless steel                    |

Information listed covers the complete range. For detailed specifications of individual models/components refer to product reference manual or contact WMFTS representative.

400 VDL/RXMD pump dimensions



Product codes

| Pump product codes |                              |
|--------------------|------------------------------|
| Part number        | Product description          |
| 040.QW27.031       | 400VDL/RXMD CW 1.6 mm 2 bar  |
| 040.QW27.032       | 400VDL/RXMD CW 1.6 mm 4 bar  |
| 040.QW27.033       | 400VDL/RXMD CW 1.6 mm 6 bar  |
| 040.QW27.011       | 400VDL/RXMD CCW 1.6 mm 2 bar |
| 040.QW27.012       | 400VDL/RXMD CCW 1.6 mm 4 bar |
| 040.QW27.013       | 400VDL/RXMD CCW 1.6 mm 6 bar |
| 040.QW27.034       | 400VDL/RXMD CW 3.2 mm 2 bar  |
| 040.QW27.035       | 400VDL/RXMD CW 3.2 mm 4 bar  |
| 040.QW27.014       | 400VDL/RXMD CCW 3.2 mm 2 bar |
| 040.QW27.015       | 400VDL/RXMD CCW 3.2 mm 4 bar |

| Tubing product codes |                |              |
|----------------------|----------------|--------------|
| Bore/wall            | Tygon E-LFL    | E3603 (PVC)  |
| 1.6 mm/1.6 mm        | E-LFL.0016.016 | E3603.016.16 |
| 3.2 mm/1.6 mm        |                | E3603.032.16 |

Disclaimer: All flow rates shown were obtained pumping water at 20 °C (68 °F) with zero suction and delivery heads. Watson-Marlow, Pumpsil, PureWeld XL, Bioprene and Marprene are trademarks of Watson-Marlow Limited. Disclaimer: The information contained in this document is believed to be correct but Watson-Marlow Limited accepts no liability for any errors it contains, and reserves the right to alter specifications without notice. GORE and STA-PURE are trademarks of W. L. Gore & Associates. Please state the product code when ordering pumps and tubing.



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