

400 ST/RXMD pump



400/RXMD series panel mount pumps

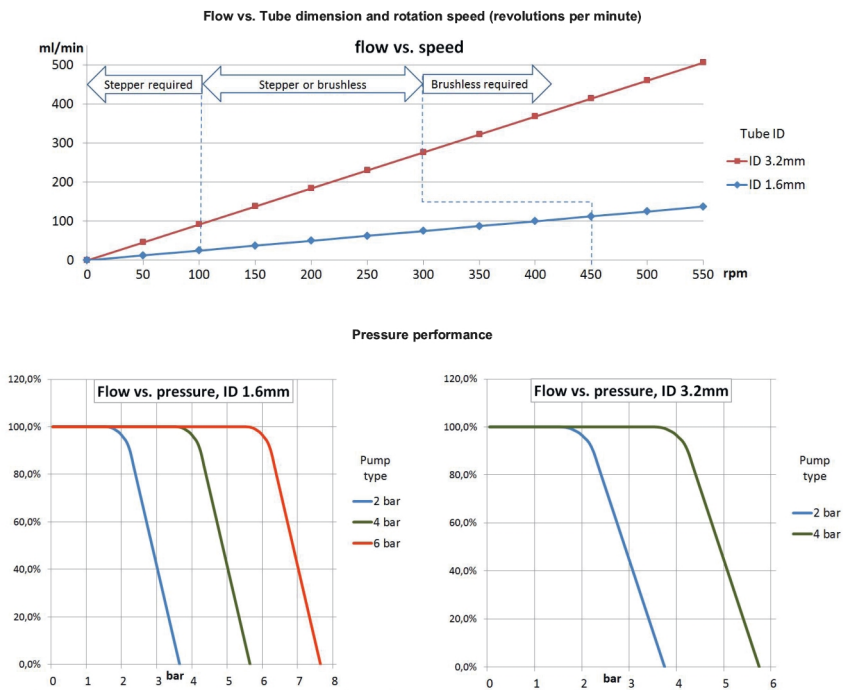
Features

- Flows up to 500 ml/min and a pressure of up to 8 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
- Customised end of line performance testing
- Quiet running
- Easy to clean



400 ST/RXMD pump performance

Electrical parameters			
Standard Motor	Min. power (W)	Max. power (W)	Current consumption
Stepper 24 V	60 W @ 2 bar ID 1.6 mm	60 W @ 4 bar ID 3.2 mm	Max. 2500 mA



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

Technical specifications

	400 ST/RXMD pump
Motor types	Stepper motor
Pumphead options	RX, RXMD
Flow rate range	0 ml/min to 500 ml/min
Operating speed range	1 rpm to 450 rpm
Supply voltage	24 V DC
Operating temperature	5 °C to 40 °C (41 °F to 104 °F)
Rated Power	60 W
Weight	1.37 kg (3.02 lbs)
Compatible tubing bore size	1.6, 3.2 mm
Compatible tubing wall thickness	1.6 mm

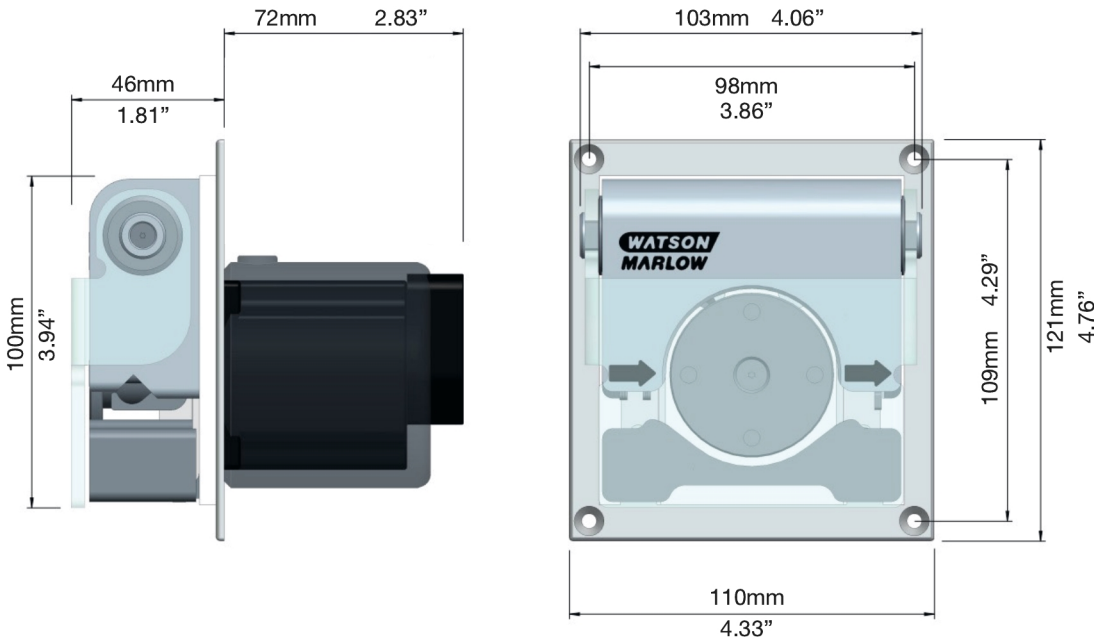
For detailed specifications of individual models refer to product reference manual or contact WMFTS representative.

Materials of construction

	400 ST/RXMD pump
Pumphead body assembly	Acrylic glass, Anodised aluminium
Pumphead rotor assembly	Anodised aluminium, 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 ST/RXMD pump dimensions



Product codes

Pump product codes	
Part number	Product description
040.RW27.031	400ST/RXMD CW 1.6 mm 2 bar
040.RW27.032	400ST/RXMD CW 1.6 mm 4 bar
040.RW27.033	400ST/RXMD CW 1.6 mm 6 bar
040.RW27.011	400ST/RXMD CCW 1.6 mm 2 bar
040.RW27.012	400ST/RXMD CCW 1.6 mm 4 bar
040.RW27.013	400ST/RXMD CCW 1.6 mm 6 bar
040.RW27.034	400ST/RXMD CW 3.2 mm 2 bar
040.RW27.035	400ST/RXMD CW 3.2 mm 4 bar
040.RW27.014	400ST/RXMD CCW 3.2 mm 2 bar
040.RW27.015	400ST/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. 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.



wmfts.com/global
10 July 2025