

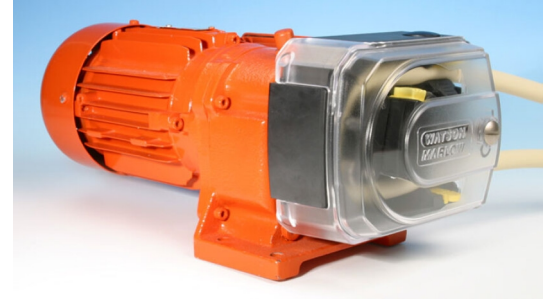
521F with RC pumphead



500 series close-coupled pumps

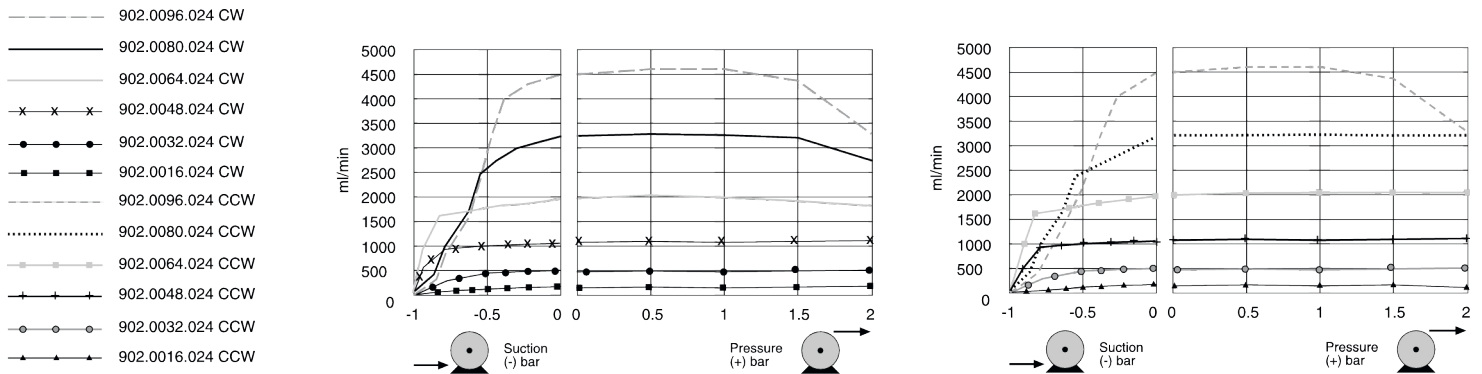
Features and benefits

- Flow rates up to 4600 ml/min and peak pressure up to 2 bar
- Heavy-duty pumphead construction with impact-proof safeguard
- Sprung rotor gently compresses tubing using large low friction rollers with sealed bearings, guaranteeing long tube life and accurate metering
- Fast and simple pumphead set-up using a clutched rotor



521F with RC pumphead performance

Tube bore and flow rates (ml/min)							
Tube Material	Speed (rpm)	1.6mm	3.2mm	4.8mm	6.4mm	8.0mm	9.6mm
Neoprene, Sta-Pure, Chem-Sure, Tygon, Platinum-cured silicone	60	26	110	240	420	660	950
	213	94	370	840	1500	2300	3400
	291	130	510	1200	2000	3200	4600
Marprene/Bioprene TL	60	25	100	230	400	630	910
	213	89	360	810	1400	2200	3200
	291	120	490	1100	2000	3100	4400



521R2C Pumphead performance curve, with Marprene tubing at 291rpm

Technical specifications

	521F with RC pumphead
FlowRateRange	2.6 ml/min to 4600 ml/min
FlowRateRange	0.04 USGPH to 73 USGPH
Max. operating pressure	30 psi (2 bar)
Fluid temperature	-4 °F to 175 °F (-20 °C to 80 °C)
Motor types	AC electric motor
Standards	CE
Ingress Protection	IP55
Noise	<70dBb(A) at 1m
Weight	22 - 33 lbs (10 - 15 kg)
Power supply	400V 50Hz 3 ph
Compatible tubing bore size	0.5, 0.8, 1.6, 3.2, 4.8, 6.4, 8, 9.6 mm
Compatible tubing wall thickness	1.6 mm

<p>Table lists details for fixed speed pumps. For more detail on drive, AC motor and inverter options please contact your local Watson-Marlow Fluid Technology Solutions representative.</p>
<p>Fluid temperature values dependent on tubing material.</p>

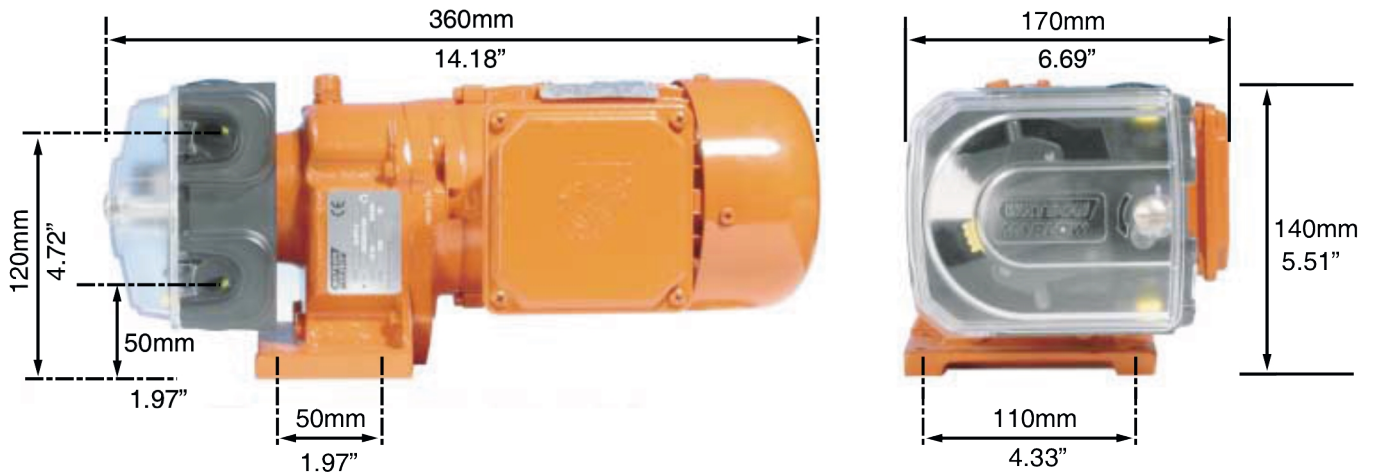
Materials of construction

	521F with RC pumphead
Bearings	Stainless steel
Gearbox	Cast iron
Guide roller assembly	Stainless steel
Motor	Aluminum
Mounting plate assembly	Aluminum
Pumphead guard	Polycarbonate (PC)
Pumphead rotor assembly	Polyphenylene sulphide (PPS), Stainless steel 316
Pumphead track	Glass filled PPS (polyphenylene sulphide)

Information listed covers the complete range of fixed speed pumps.

For detailed specifications of individual models/components and other drive/pumphead options, refer to user manual or contact your local Watson-Marlow Fluid Technology Solutions representative.

521F with RC pumphead dimensions



Product codes

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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