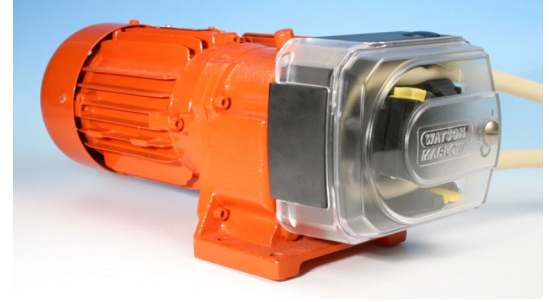


# 521F with REMC pumphead

500 series close-coupled pumps

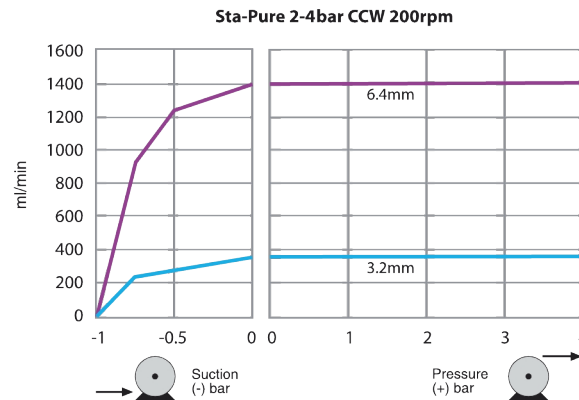
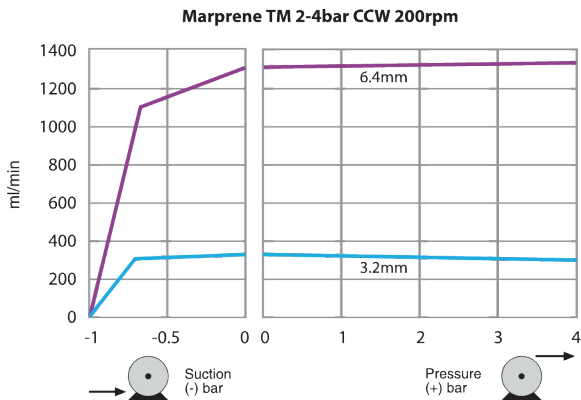
## Features and benefits

- Flow rates up to 2000 ml/min at 4 bar peak pressure with 520 LoadSure elements
- 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 for effortless element loading



## 521F with REMC pumphead performance

LoadSure® element tubing flow rates (ml/min)			
Tube material	Speed (rpm)	3.2mm	6.4mm
Marprene TM, Bioprene TM	60	100	400
	213	360	1400
	257	430	1700
	291	490	2000
Sta-Pure PCS, STA-PURE PFL	60	110	420
	213	370	1500
	257	450	1800
	291	510	2000



To achieve 4 bar pressure the pump must rotate counter-clockwise

## Technical specifications

	521F with REMC pumphead
FlowRateRange	100 ml/min to 2000 ml/min
Max. operating pressure	60 psi (4 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	3.2, 6.4 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>

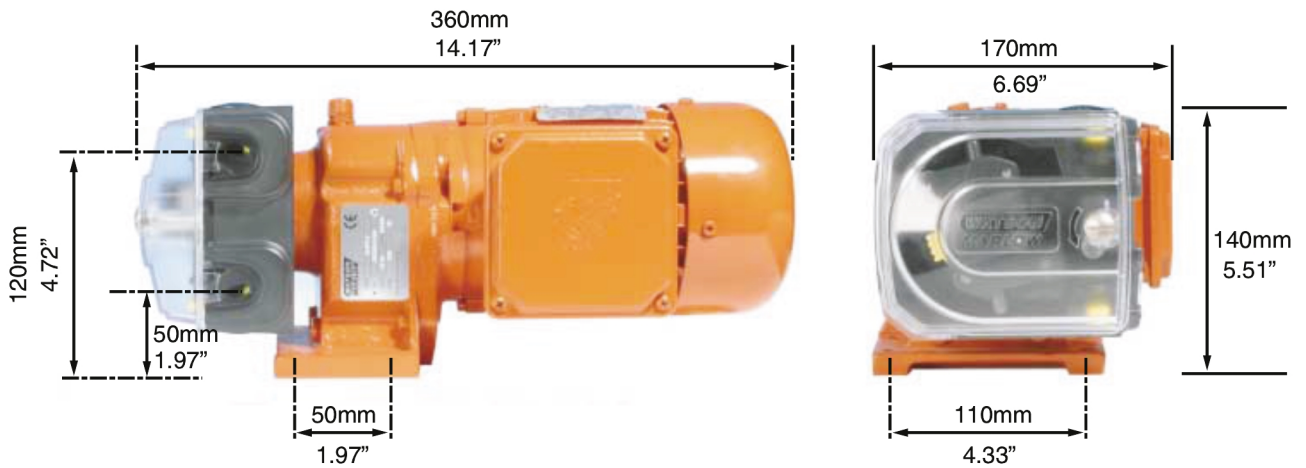
## Materials of construction

	521F with REMC pumphead
Drain port assembly	Hytrel, PP (polypropylene)
Fluid connectors	PP (polypropylene), PVDF
Seals	Neoprene

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 REMC pumphead dimensions



## Control options

Pump drives	521F	521P
Three phase AC motor gearbox in three speed options	✓	
Industry standard motors	✓	✓
Four vane pneumatic motor with speed limiting		✓
Speed control ratio (with suitable equipment)	10:1	Variable
Reversible with suitable equipment	✓	✓
Optional baseplate mounting	✓	✓

## Product codes

Pump and pumphead product codes				
Description	Partcode			
521F/REMC 60rpm pump	050.8122.EM0			
521F/REMC 213rpm pump	050.8152.EM0			
521F/REMC 291rpm pump	050.8172.EM0			
520REMC pumphead	053.1031.EM0			
Element product codes				
	Industrial LoadSure® elements, Quick-release PVDF connectors		Sanitary LoadSure® elements, 3/4 in Sanitary PVDF connectors	
	3.2mm	6.4mm	3.2mm	6.4mm
Marpren TM	902.P032.PFQ	902.P064.PFQ		
STA-PURE PFL	966.M032.PFQ	966.M064.PFQ	966.M032.PFT	966.M064.PFT
Bioprene TM			933.P032.PFT	933.P064.PFT
Sta-Pure PCS			961.M032.PFT	961.M064.PFT

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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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