

# 521F with REMC pumphead

500 series close-coupled pumps

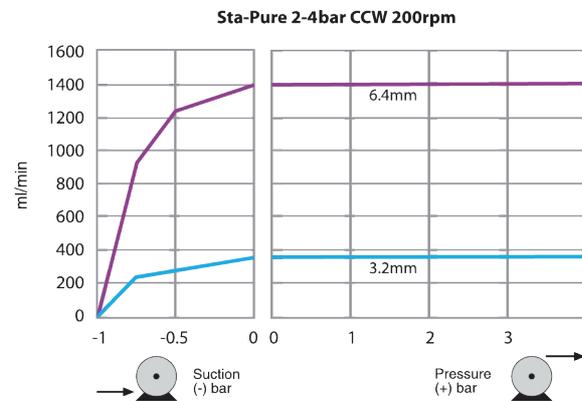
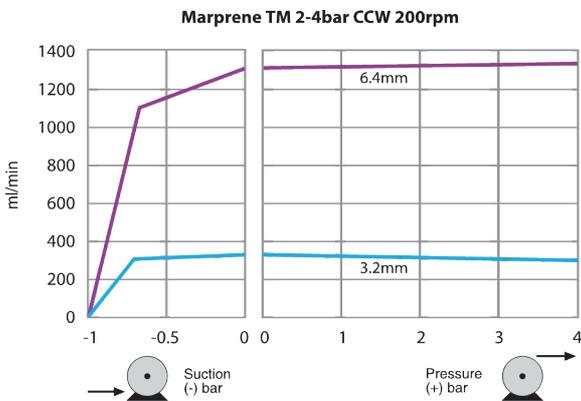
## Features and benefits

- 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
	291	490	2000
Sta-Pure PCS, STA-PURE PFL	60	110	420
	213	370	1500
	291	510	2000



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

## Technical specifications

	521F with REMC pumphead
Max. flow rate	2000 ml/min
Min. flow rate	100 ml/min
Max. operating pressure	4 bar
Max. operating pressure	60 psi
Ambient Temperature Range	5 °C to 40 °C
Ambient Temperature Range	41 °F to 104 °F
Fluid temperature range	-20 °C to 80 °C
Fluid temperature range	-4 °F to 175 °F
Motor types	AC electric motor
Max. operating speed	291 rpm
Standards	CE
Ingress Protection	IP55
Noise	<70dBb(A) at 1m
Weight	10 - 15 kg
Weight	22 - 33 lbs
Power supply	400 V 50 Hz 3 ph
Compatible tubing bore size	3.2, 6.4 mm

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.

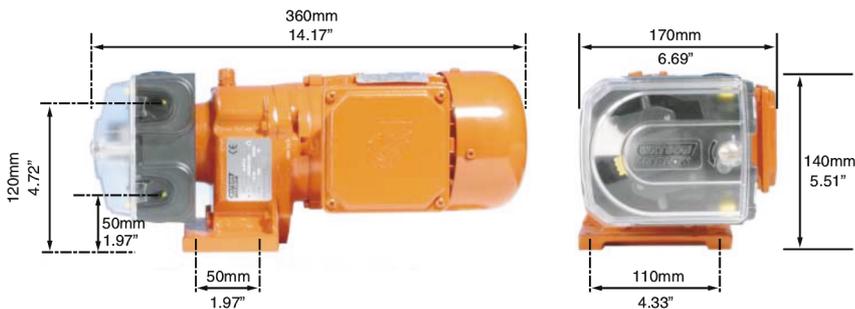
## Materials of construction

	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
Three phase AC motor gearbox in three speed options	✓
Industry standard motors	✓
Speed control ratio (with suitable equipment)	10:1
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
Marpene TM	902.P032.PFQ	902.P064.PFQ		
STA-PURE PFL	965.M032.PFQ	965.M064.PFQ	965.M032.PFT	965.M064.PFT
Bioprene TM			933.P032.PFT	933.P064.PFT
Sta-Pure PCS			960.M032.PFT	960.M064.PFT

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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