

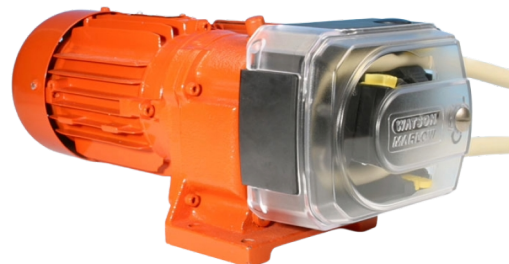
521F with REHC pumphead



500 series close-coupled pumps

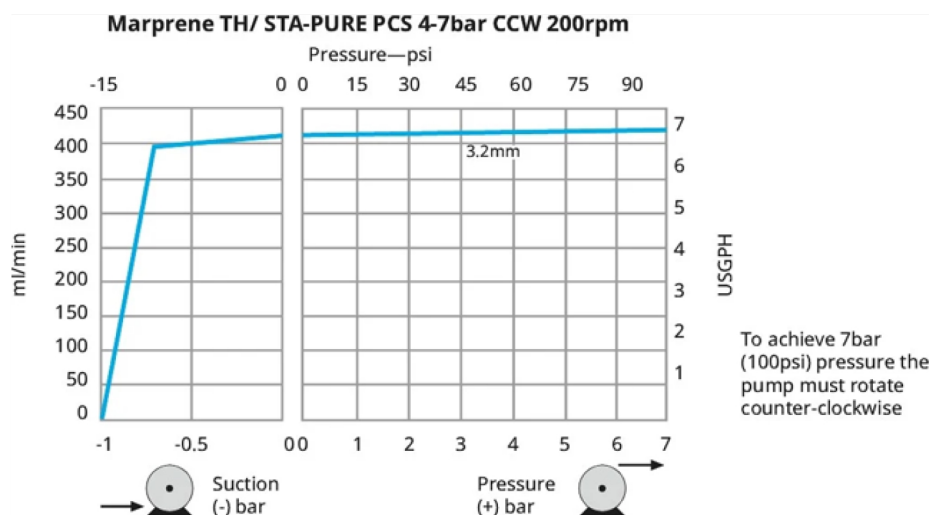
Features and benefits

- Flow rates up to 600 ml/min at 7 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 REHC pumphead performance

LoadSure® element tubing flow rates (ml/min)		
Tube material	Speed (rpm)	3.2mm
Marprene TH, Bioprene TH, Sta-Pure PCS	6-60	12-120
	21-213	43-440
	29-291	59-600



Technical specifications

	521F with REHC pumphead
Flow rate	120 ml/min to 600 ml/min
Max. operating pressure	7 bar (100 psi)
Fluid temperature	-20 °C to 80 °C (-4 °F to 175 °F)
Motor types	AC electric motor
Operating speed	60 rpm to 291 rpm
Standards	CE
Ingress Protection	IP55
Noise	<70dBb(A) at 1m
Weight	10 - 15 kg (22 - 33 lbs)
Power supply	400 V 50 Hz 3 ph
Compatible tubing bore size	3.2 mm

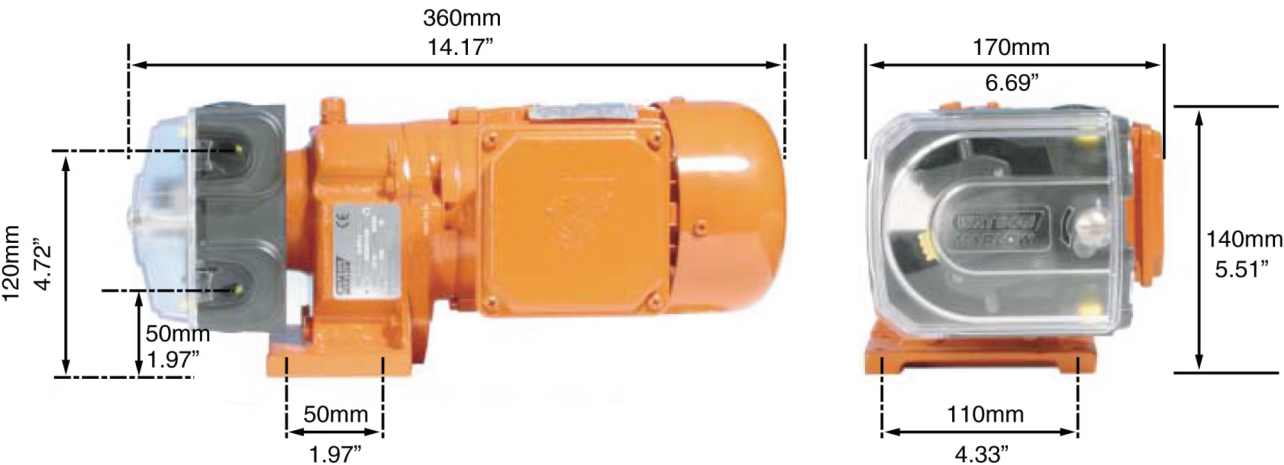
Table lists details for fixed speed pumps. For more detail on drive, AC motor and inverter options please contact your local Watson-Marlow Fluid Technology Solutions representative.

Materials of construction

	521F with REHC 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 REHC 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/REHC 60rpm pump		050.8122.EH0
521F/REHC 213rpm pump		050.8152.EH0
521F/REHC 291rpm pump		050.8172.EH0
520REHC pumphead		053.1031.EH0
Element product codes		
	Industrial LoadSure® elements, Quick-release PVDF connectors	Sanitary LoadSure® elements, 3/4 in Sanitary PVDF connectors
	3.2mm	3.2mm
Marprene TH	902.H032.PFQ	
Bioprene TH		933.H032.PFT
Sta-Pure PCS	961.H032.PFQ	961.H032.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.



wmfts.com/global
10 July 2026