

520REL element pumphead



500 series pumpheads

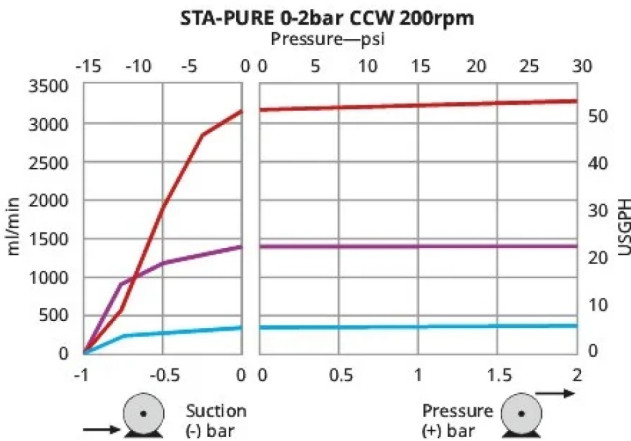
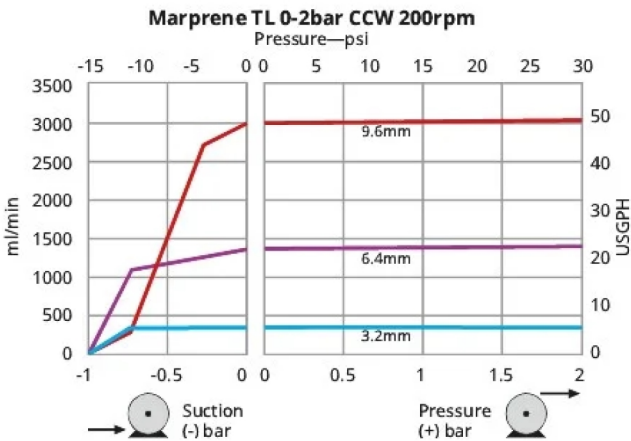
Features and benefits

- Flow rates up to 3.5 L/min (55.48 USGPH) at 2 bar (30psi) peak pressure with 520 LoadSure® elements
- Features large swept volume with sprung rollers for high accuracy, gentle pumping of shear-sensitive fluids
- Robust pumphead construction with PPS (polyphenylene sulphide) track and rotor and stainless steel rollers and bearings



520REL element pumphead performance

520REL twin-roller pumphead for LoadSure® element tubing — flow rates — ml/min (USGPH)				
Tube material	Speed	3.2mm	6.4mm	9.6mm
Pumpsil®, GORE® STA-PURE® Pump Tubing – Series PCS, GORE® STA-PURE® Pump Tubing – Series PFL	0.1 to 220rpm	0.18-390 (0–6.18)	0.70-1500 (0.01–23.8)	1.60-3500 (0.03–55.5)
Marprene® TL, Bioprene® TL	0.1 to 220rpm	0.17-370 (0–5.86)	0.67-1500 (0.01–23.8)	1.50-3300 (0.02–52.3)



Technical specifications

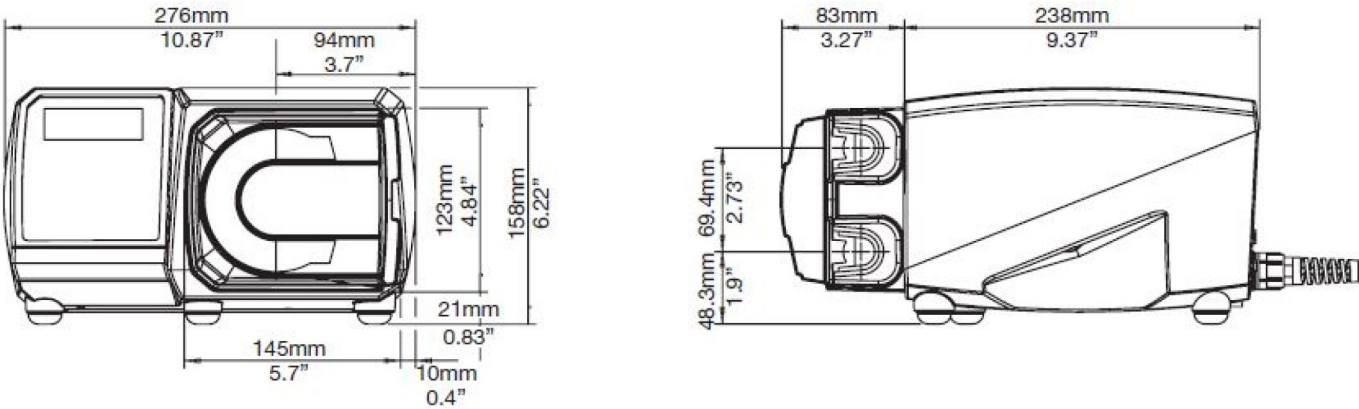
	520REL element pumphead
Number of channels	1
Number of rollers	2
Max. flow rate continuous	3500 ml/min
Max. flow rate continuous	210 L/h (55.48 USGPH)
Pump type	Cased, Panel mount
Compatible tubing bore size	3.2, 6.4, 9.6 mm

Materials of construction

	520REL element pumphead
Pumphead body assembly	Polycarbonate (PC), Polyphenylene sulphide (PPS)
Pumphead guard	Polycarbonate (PC)
Pumphead track	Polyphenylene sulphide (PPS)
Pumphead roller assembly	MoS2 filled Nylon 6 (Nylatron), Polyphenylene sulphide (PPS), Stainless steel 316
Pumphead rotor assembly	Polyphenylene sulphide (PPS), Stainless steel 316

Information listed covers the complete range.
For detailed specifications of individual models/components refer to user manual or contact WMFTS representative.

520REL element pumphead dimensions



Product codes

Description				Part code		
520REL element pumphead				053.1011.EL0		
Element product codes for 520REL						
	Industrial LoadSure® elements, Quick-release PVDF connectors			Sanitary LoadSure® elements, 3/4 in Sanitary PVDF connectors		
	3.2mm	6.4mm	9.6mm	3.2mm	6.4mm	9.6mm
Pumpsil®	913.A032.PFQ	913.A064.PFQ	913.A096.PFQ	913.A032.PFT	913.A064.PFT	913.A096.PFT
Bioprene® TL				933.0032.PFT	933.0064.PFT	933.0096.PFT
Marprene® TL	902.0032.PFQ	902.0064.PFQ	902.0096.PFQ			
STA-PURE® Series PCS				961.0032.PFT	961.0064.PFT	961.0096.PFT
STA-PURE® Series PFL	966.0032.PFQ	966.0064.PFQ	966.0096.PFQ	966.0032.PFT	966.0064.PFT	966.0096.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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