

505L pumphead



500 series pumpheads

- Flow rates up to 4.375 L/min (69.35 USGPH) at 350rpm
- 0.5% dosing accuracy
- Virtually pulse-free flow with double-Y twin tube design
- Twin tubes with offset, spring-loaded tracks



505L pumphead performance

Tube bore and flow rates (ml/min)									
Min	Max	Ratio	Speed rpm	1.6mm	3.2mm	4.8mm	6.4mm	8.0mm	9.6mm
0.1	220	2200:01	0.1-220	0.04-95	0.23-500	0.42-930	0.70-1500	0.90-2000	1.3-2800
0.1	350	3500:01	0.1-350	0.04-150	0.23-800	0.42-1500	0.70-2500	0.90-3200	1.3-4375*

*9.6mm bore through pumphead and to delivery; 12.7mm bore to source, using 913.AH96.K24

Technical specifications

	505L pumphead
Max. flow rate continuous	4375 ml/min
Max. flow rate continuous	69.35 USGPH (262.5 L/h)
Pump type	Cased, Panel mount
Weight	5.511 lbs (2.5 kg)
Compatible tubing bore size	1.6, 3.2, 4.8, 6.4, 8, 9.6 mm
Compatible tubing wall thickness	2.4 mm

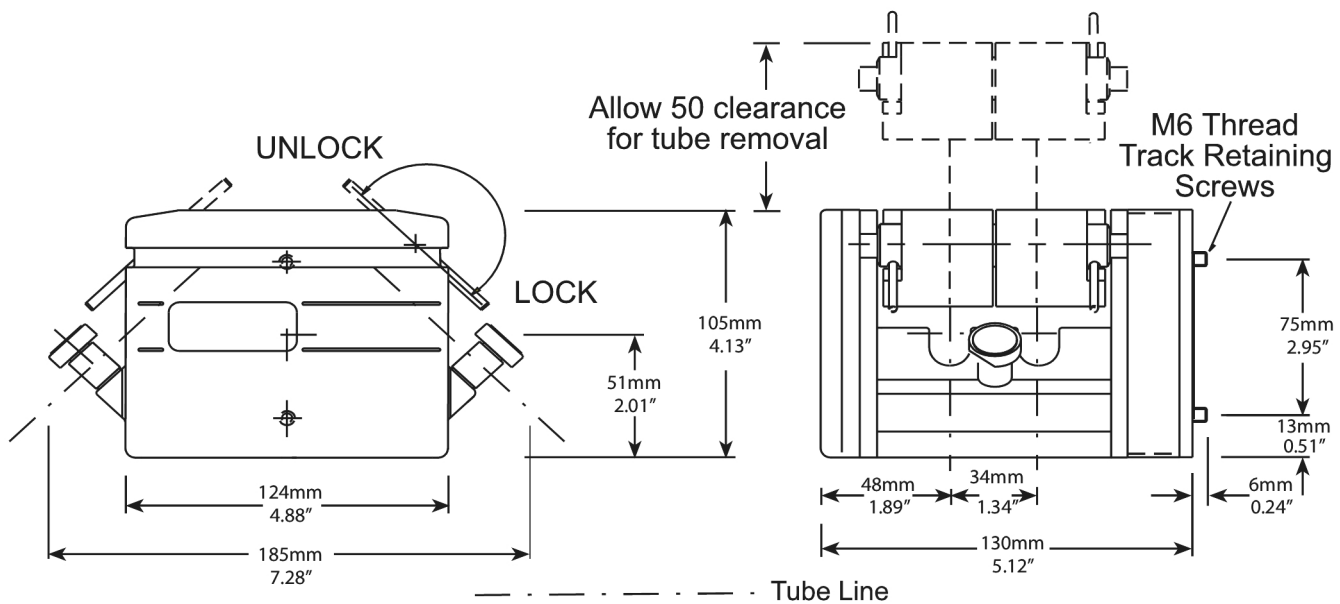
Materials of construction

	505L pumphead
Pumphead body assembly	Aluminum, Aluminum alloy
Pumphead track	Aluminum
Pumphead roller assembly	Carbon steel, Stainless steel
Pumphead rotor assembly	Aluminum

Information listed covers the complete range.

For detailed specifications of individual models/components refer to user manual or contact WMFTS representative.

505L pumphead dimensions



Product codes

Description	Description	Part code
505L	Only pumphead for 2.4mm wall tube	053.4001.000
505LX	Extension pumphead only for 2.4mm wall tube	053.4011.020
505LG	Pumphead only for STA-PURE for 2.4mm wall tube	053.4010.00G
505LTC	Tube clamp set	059.4001.000

Tube ordering codes - Double 'Y' tubing elements						
Tube bore (mm)	Marprene	STA-PURE PFL®	STA-PURE PCS®	Pumpsil	Bioprene	PureWeldXL
1.6 / 2.4	902.E016.K24	966.E016.K24	961.E016.K24	913.AE16.K24	933.E016.K24	
3.2 / 2.4	902.E032.K24	966.E032.K24	961.E032.K24	913.AE32.K24	933.E032.K24	
4.8 / 2.4	902.E048.K24	966.E048.K24	961.E048.K24	913.AE48.K24	933.E048.K24	
6.4 / 2.4	902.E064.K24	966.E064.K24	961.E064.K24	913.AE64.K24	933.E064.K24	942.E064.K24
8.0 / 2.4	902.E080.K24	966.E080.K24	961.E080.K24	913.AE80.K24	933.E080.K24	942.E080.K24
9.6 / 2.4	902.E096.K24			913.AE96.K24	933.E096.K24	942.E096.K24

Transfer tube				
Tube bore (mm)	Marprene	Pumpsil	Bioprene	PureWeldXL
1.6 / 2.4	902.0016.024	913.A016.024	933.0016.024	942.0016.024
3.2 / 2.4	902.0032.024	913.A032.024	933.0032.024	
4.8 / 2.4	902.0048.024	913.A048.024	933.0048.024	942.0048.024
6.4 / 2.4	902.0064.024	913.A064.024	933.0064.024	942.0064.024
8.0 / 2.4	902.0080.024	913.A080.024	933.0080.024	942.0080.024
9.6 / 2.4	902.0096.024	913.A096.024	933.0096.024	942.0096.024

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
12 May 2026