

# 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                        |

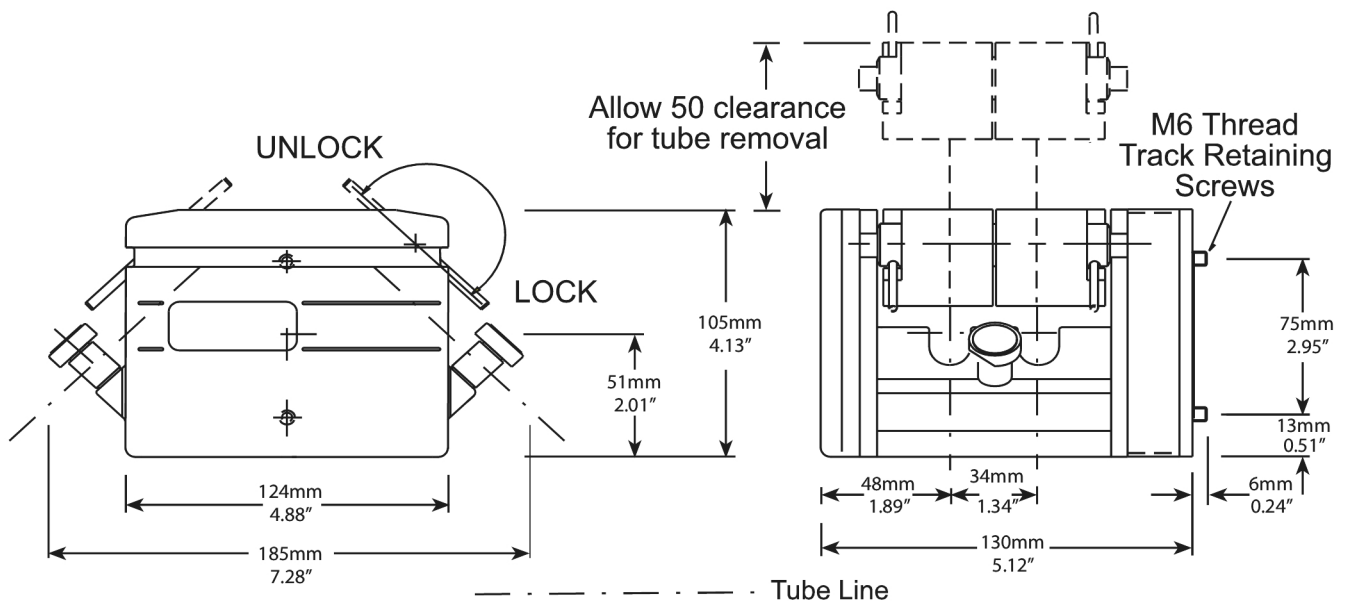
## Materials of construction

|                          | 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     |
| 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 |
| 8.0 / 2.4                                        | 902.E080.K24 | 966.E080.K24  | 961.E080.K24  | 913.AE80.K24 | 933.E080.K24 |
| 9.6 / 2.4                                        | 902.E096.K24 |               |               | 913.AE96.K24 | 933.E096.K24 |

| Transmission tube |              |              |
|-------------------|--------------|--------------|
| Tube bore (mm)    | Marprene     | Pumpsil      |
| 1.6 / 2.4         | 902.0016.024 | 913.A016.024 |
| 3.2 / 2.4         | 902.0032.024 | 913.A032.024 |
| 4.8 / 2.4         | 902.0048.024 | 913.A048.024 |
| 6.4 / 2.4         | 902.0064.024 | 913.A064.024 |
| 8.0 / 2.4         | 902.0080.024 | 913.A080.024 |
| 9.6 / 2.4         | 902.0096.024 | 913.A096.024 |

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.



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