

120F/R 和 120S/R, 120U/R泵, 带102R泵头

100 series

Watson-Marlow Pumps Group

性能和优点

- 流量范围 0.003~54ml/min，最高工作压力 2bar
- 结构紧凑，占用空间少
- 速度控制范围3200:1，速度精度可达 $\pm 1\%$
- 102R单通道泵头，使用两只压辊
- IP31防护等级，可擦洗
- 无刷直流电机，免维护



Watson-Marlow...Innovation in Full Flow

技术参数

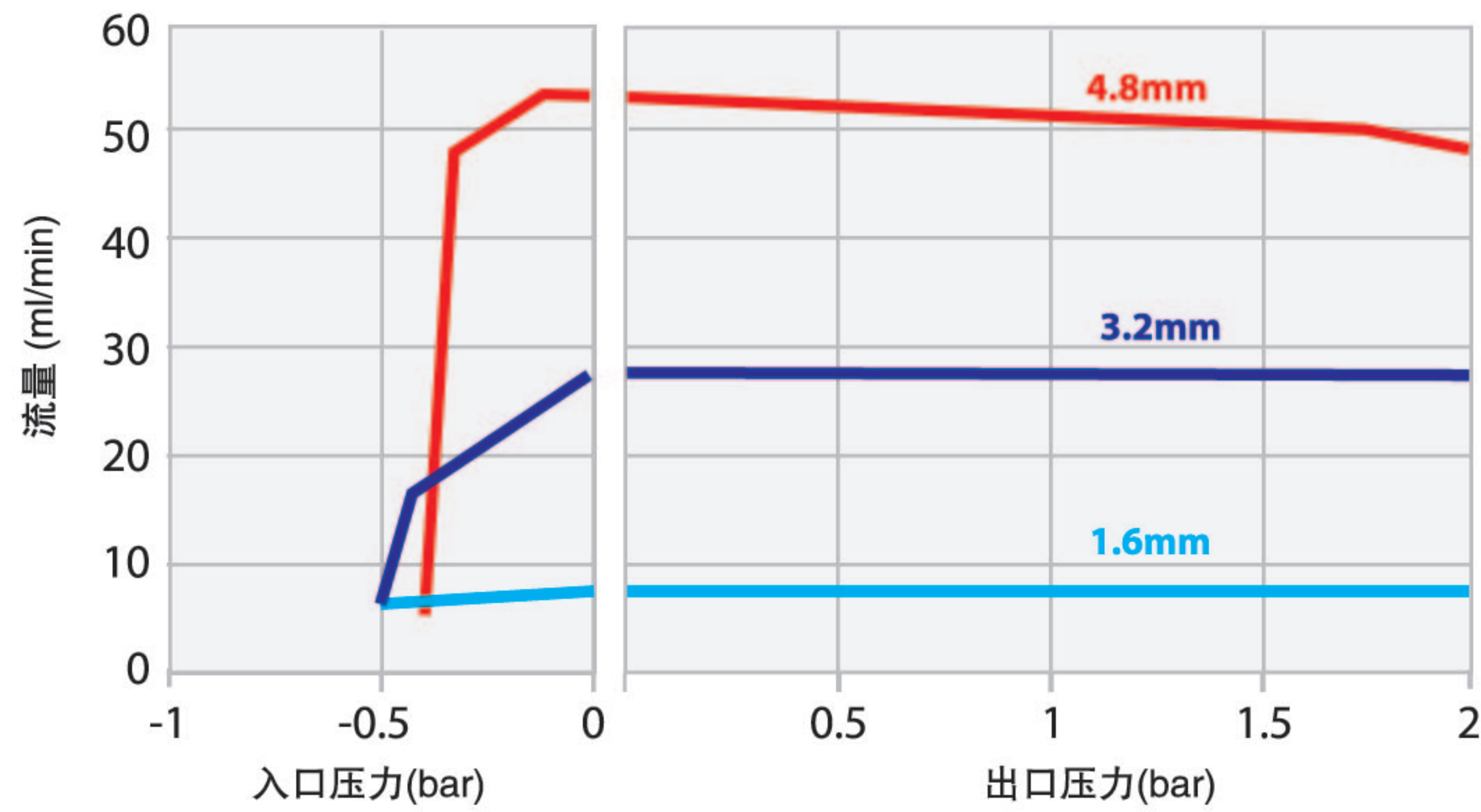
| 功能 | 120F | 120S | 120U |
|-----------------------------|------|------|------|
| 手动控制 | | | |
| 定速顺时针运行 | • | | |
| 1~32rpm (32:1) | | • | |
| 0.1~32rpm (320:1) | | | • |
| 速度数值显示 | | • | • |
| 双向运行 | | • | • |
| 以最高转速预填充 | | • | • |
| 自动起动 | | • | • |
| 远程控制 | | | |
| 起动/停止，换向，自动/手动切换，报警 | | | • |
| 模拟控制 | | | |
| 0.01~32rpm (3200:1) | | | • |
| 速度控制信号（模拟量）输入：4-20mA, 0-10V | | | • |
| 转速信号（模拟量）输出：0-5V | | | • |
| 安全性 | | | |
| 键盘锁定，用于保护设置 | | • | • |

性能

| 120F/R软管内径和流量 (ml/min) | | | | | | |
|------------------------|-------|-------|-------|-------|-------|-------|
| | 转速rpm | 0.5mm | 0.8mm | 1.6mm | 3.2mm | 4.8mm |
| Pumpsil (Silicone) | 10rpm | 0.3 | 0.5 | 2.1 | 8.5 | 17 |
| | 17rpm | 0.5 | 0.9 | 3.6 | 14 | 29 |
| | 31rpm | 0.9 | 1.6 | 6.5 | 26 | 52 |

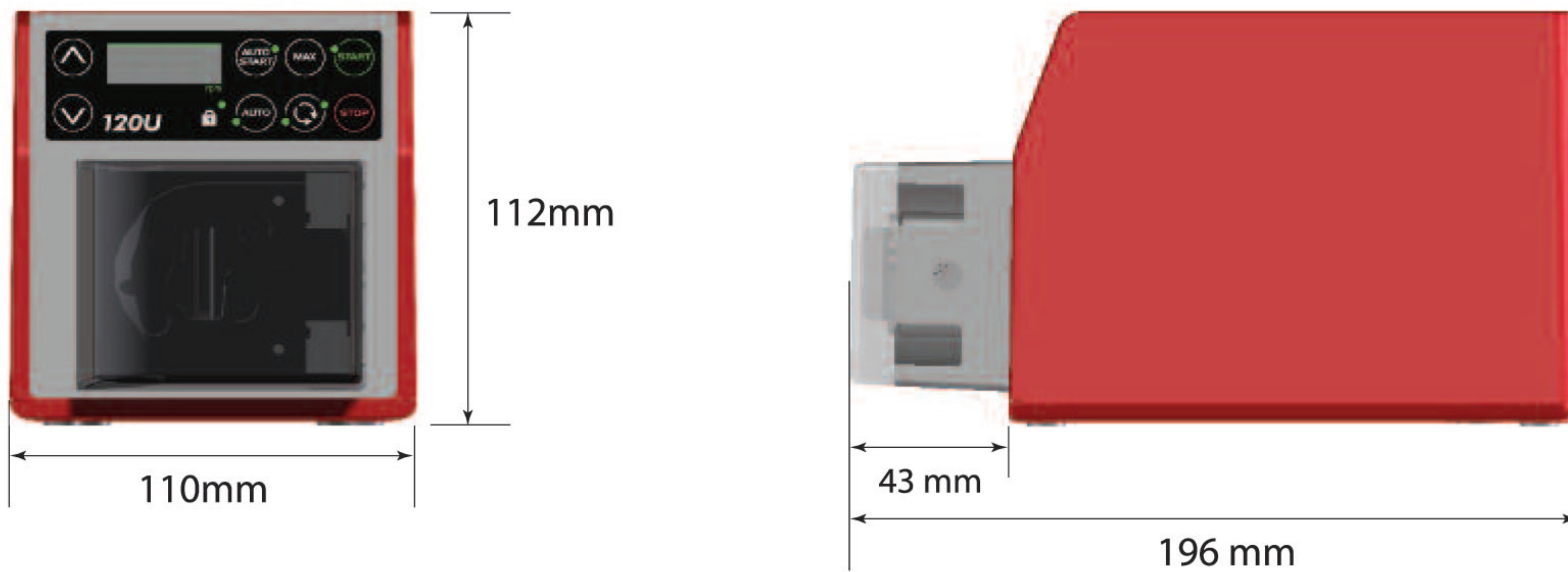
| 120S/R和120U/R 软管内径和流量 (ml/min) | | | | | | |
|--------------------------------|-------------|-----------|-----------|-----------|----------|---------|
| | 转速rpm | 0.5mm | 0.8mm | 1.6mm | 3.2mm | 4.8mm |
| Pumpsil (Silicone) | 1 - 32rpm | 0.03-0.9 | 0.05-1.6 | 0.21-6.7 | 0.85-27 | 1.6-54 |
| | 0.1 - 32rpm | 0.003-0.9 | 0.005-1.6 | 0.021-6.7 | 0.085-27 | 0.16-54 |

Pumpsil 102R pumphead CCW 32rpm



32rpm逆时针运行, 以水作为测试介质
顺时针运行时最高工作压力为0.5bar

尺寸



技术规格说明

| 120F, 120S, 120U | |
|------------------|---|
| 防护等级 | IP31 / NEMA 2 |
| 外壳 | 可擦拭 |
| 适应环境 | 干燥的轻工业环境 |
| 湿度 | 温度31℃, 不凝结时湿度80%, 当温度上升至40℃时, 湿度50% |
| 温度 | 5℃~40℃ |
| 重量 | 1.55kg (3lbs 4oz) |
| 控制比率 | 120F: 定速 120S: 32:1, 120U: 手动控制 320:1, 自动控制 3,200:1 |
| 扭矩 | 连续运行时扭矩0.4Nm |
| 噪声 | < 60dB(A) @ 1m |
| 标准 | CE, cETLus |
| 电源 | 24V电源变压器直流供电 电源供电范围90~264VAC 47~63Hz |

组件材质

| 材质 | |
|--------|--------------------------------|
| 键盘 | 聚酯 |
| 驱动外壳 | ABS塑料 |
| 驱动轴 | 不锈钢 |
| 泵头 | Acetal copolymer, Kematal |
| 泵头防护装置 | 聚碳酸酯 |
| 转子 | IXEF (Polyarylamide) |
| 轱子 | MOS2 filled Nylon 6 (nylatron) |
| 主轴引导销 | 不锈钢 |

订货信息

| 产品编号 | | | |
|----------------------|--------------|------------------------|--------------|
| 产品描述 | 编号 | 产品描述 | 编号 |
| 120F/R, 定速泵, 转速10rpm | 010.6111.R00 | 120S/R 手动控制泵, 32rpm | 010.6131.R00 |
| 120F/R, 定速泵, 转速17rpm | 010.6112.R00 | 120U/R 手动/自动控制泵, 32rpm | 010.6141.R00 |
| 120F/R, 定速泵, 转速31rpm | 010.6113.R00 | 102R 泵头 (8mm轴) | 013.7101.000 |

| 软管 (壁厚1.6mm), 用于102R泵头 | | | | | |
|------------------------|--------------|--------------|--------------|--------------|--------------|
| | 0.5mm | 0.8mm | 1.6mm | 3.2mm | 4.8mm |
| Pumpsil | 913.A005.016 | 913.A008.016 | 913.A016.016 | 913.A032.016 | 913.A048.016 |

All flow rates shown were obtained pumping water at 20C (68F) with zero suction and delivery heads. Watson-Marlow, Pumpsil is a trademark 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. Please state the product code when ordering pumps and tubing.

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Watson-Marlow... Innovation in Full Flow