

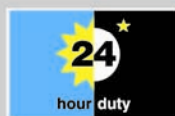
120S/DM2, 120S/DM3, 120U/DM2和120U/DM3泵, 带400DM2和400DM3泵头

100 series

Watson-Marlow Pumps Group

性能和优点

- 流量范围 0.001~108ml/min, 最高工作压力 2bar
- 结构紧凑, 占用空间少
- 速度控制范围10,000:1, 速度精度可达 $\pm 1\%$
- 400DM2双通道泵头及400DM3三通道泵头, 可配合多通道软管
- IP31防护等级, 可擦洗
- 无刷直流电机, 免维护



Watson-Marlow...Innovation in Full Flow

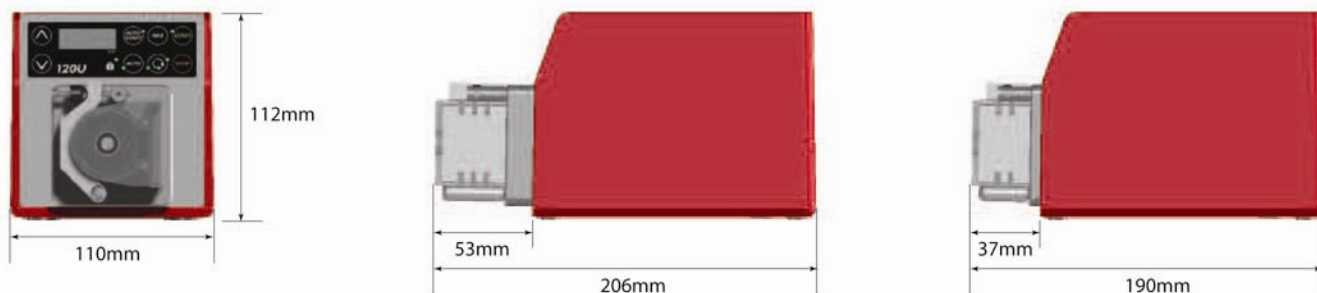
技术参数

功能	120S	120U
手动控制		
1~100rpm (100:1)	•	
0.1~100rpm (1,000:1)		•
速度数值显示	•	•
双向运行	•	•
以最高转速预填充	•	•
自动启动	•	•
远程控制及信号反馈		
启动/停止, 换向, 自动/手动切换, 报警		•
模拟控制		
0.01~100rpm (10,000:1)		•
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)						
	Speed rpm	0.13mm	0.19mm	0.25mm	0.38mm	0.50mm
120S	1 - 100rpm	0.001-0.1	0.002-0.2	0.004-0.4	0.008-0.8	0.014-1.4
120U	0.1 - 100rpm	0.0001-0.1	0.0002-0.2	0.0004-0.4	0.0008-0.8	0.001-1.4
	Speed rpm	0.63mm	0.76mm	0.88mm	1.02mm	1.14mm
120S	1 - 100rpm	0.022-2.2	0.031-3.1	0.043-4.3	0.055-5.5	0.070-7.0
120U	0.1 - 100rpm	0.002-2.2	0.003-3.1	0.004-4.3	0.006-5.5	0.007-7.0
	Speed rpm	1.29mm	1.42mm	1.52mm	1.65mm	1.85mm
120S	1 - 100rpm	0.089-8.9	0.110-11	0.120-12	0.140-14	0.180-18
120U	0.1 - 100rpm	0.009-8.9	0.011-11	0.012-12	0.014-14	0.018-18
	Speed rpm	2.05mm	2.38mm	2.54mm	2.79mm	
120S	1 - 100rpm	0.210-21	0.260-26	0.310-31	0.360-36	
120U	0.1 - 100rpm	0.021-21	0.026-26	0.031-31	0.036-36	

尺寸



技术规格说明

120S, 120U	
防护等级	IP31 / NEMA 2
外壳	可擦拭
适应环境	干燥, 低负荷的工业环境
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	1.70kg (3lbs 11oz)
控制比率	120S:100:1 120U:手动控制 1000:1, 自动控制 10,000:1
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	铝合金
泵头防护装置	聚碳酸酯
转子	铝合金
轆子	树脂
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
120S/DM2, 手动控制泵	010.6131.M20	120U/DM3, 手动及自动控制泵	010.6141.M30
120S/DM3, 手动控制泵	010.6131.M30	400DM2 泵头	043.001D.D2C
120U/DM2, 手动及自动控制泵	010.6141.M20	400DM3 泵头	043.001D.D3C

软管						
Colour code	Wall mm	Bore mm	Autoclavable Marprene®	Marprene®	PVC	Silicone
Orange/black	0.8	0.13			981.0013.000	
Orange/red	0.8	0.19			981.0019.000	
Orange/blue	0.8	0.25	979.0025.00+	979.0025.000	981.0025.000	
Orange/green	0.8	0.38	979.0038.00+	979.0038.000	981.0038.000	
Orange/yellow	0.8	0.50	979.0050.00+	979.0050.000	981.0050.000	
Orange/white	0.8	0.63	979.0063.00+	979.0063.000	981.0063.000	983.0063.000
Black/black	0.8	0.76	979.0076.00+	979.0076.000	981.0076.000	983.0076.000
Orange/orange	0.8	0.88	979.0088.00+	979.0088.000	981.0088.000	983.0088.000
White/white	0.8	1.02	979.0102.00+	979.0102.000	981.0102.000	983.0102.000
Red/red	0.8	1.14	979.0114.00+	979.0114.000	981.0114.000	983.0114.000
Grey/grey	0.8	1.29	979.0129.00+	979.0129.000	981.0129.000	983.0129.000
Yellow/yellow	0.8	1.42	979.0142.00+	979.0142.000	981.0142.000	983.0142.000
Yellow/blue	0.8	1.52	979.0152.00+	979.0152.000	981.0152.000	983.0152.000
Blue/blue	0.8	1.65	979.0165.00+	979.0165.000	981.0165.000	983.0165.000
Green/green	0.8	1.85	979.0185.00+	979.0185.000	981.0185.000	983.0185.000
Purple/purple	0.8	2.05	979.0205.00+	979.0205.000	981.0205.000	983.0205.000
Purple/black	0.8	2.29	979.0229.00+	979.0229.000	981.0229.000	983.0229.000
Purple/orange	0.8	2.54	979.0254.00+	979.0254.000	981.0254.000	983.0254.000
Purple/white	0.8	2.79	979.0279.00+	979.0279.000	981.0279.000	983.0279.000

All flow rates shown were obtained pumping water at 20C (68F) with zero suction and delivery heads. Watson-Marlow, Pumpsil 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.

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