PSD/4 技术规格

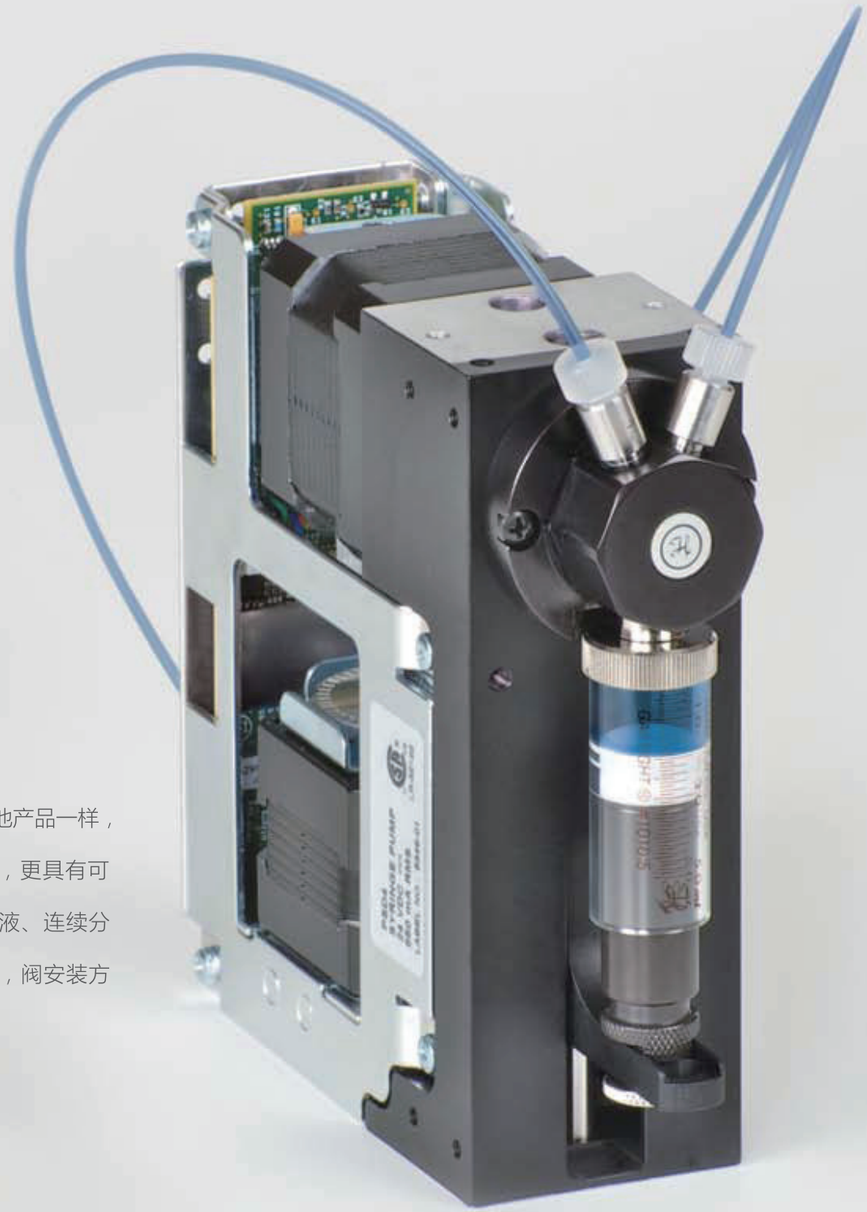
参 数	
准确度	± 1% @ 100% stroke
重复精度	≤ 0.05% @ 100% stroke
流路	Borosilicate glass, PTFE, PFA, CTFE or ceramic
重量	2.6 lbs. (1.2 kg.)
RoHS	Yes
推力	22 lbf. (9.98 kgf.)
供电	
电压	24 VDC
电流	1.5 amp maximum
注射器和驱动	
注射器规格	12.5 µL to 12.5 mL
注射器材料	Glass barrel, PTFE or PFA insert, stainless steel or aluminum plunger with PTFE coating, PTFE or UHMW-PE plunger tip
精度	Selectable 3,000 steps (standard) / 24,000 steps (high)
注射器驱动	Stepper motor driven lead screw and optical encoder
行程长度	30 mm
注射器速度	1 second to 20 minute stroke
阀和驱动	
阀驱动速度	250 ms per 120° rotation
阀驱动	Stepper motor with optical encoder feedback
阀连接	¼" – 28
阀材料	CTFE, PTFE or ceramic
流路直径	Ceramic: 0.060" (1.524 mm) PTFE: 0.059" (1.498 mm) unless otherwise noted
通讯	
类型	RS-232, RS-485, or CAN
协议	Terminal and standard
波特率	9600 or 38,400 (RS-232 or RS-485); 100,000 or 125,000 (CAN)
数据位	8
奇偶校验	None
停止位	1, Half duplex
链长度	Up to 16 individual pumps
可编程范围	Ramps, cutoff velocity, backlash compensation, syringe speeds, loops, on-the-fly speed changes, terminate moves and delays, error detection, valve rotation selection, enhanced “h” factor capabilities including valve rotation CW and CCW
操作环境和存贮范围	
操作温度	59° F (15° C) to 104° F (25° C)
操作湿度	20% to 95% relative humidity, non-condensing
存贮温度	-4° F (-20° C) to 150° F (65° C)
存贮湿度	20% to 95% relative humidity, non-condensing

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请 关 注 我 们

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PSD/4 高精度微量注射泵



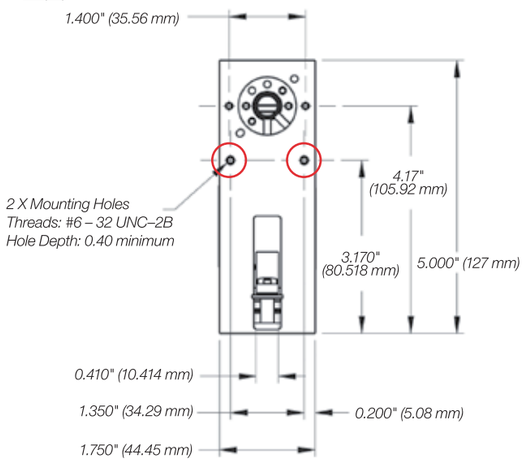
高精度高性价比特点

Hamilton PSD/4注射泵和公司其他产品一样，不但具有高精度、高稳定可靠性，更具有可完成所有标准移液操作，包括分液、连续分液和稀释的功能。独有的注射器，阀安装方式确保了系统的精度和长寿命。

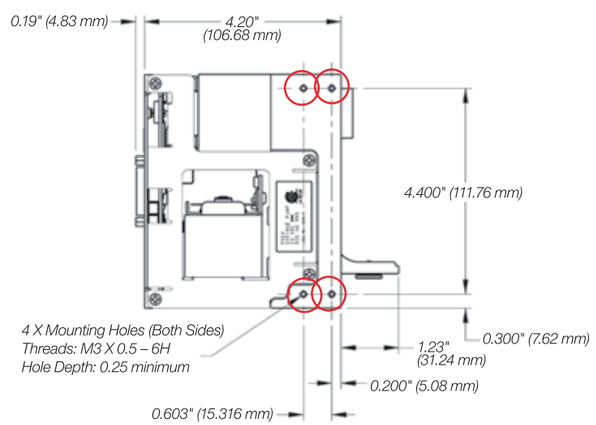
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PSD/4 产品尺寸图

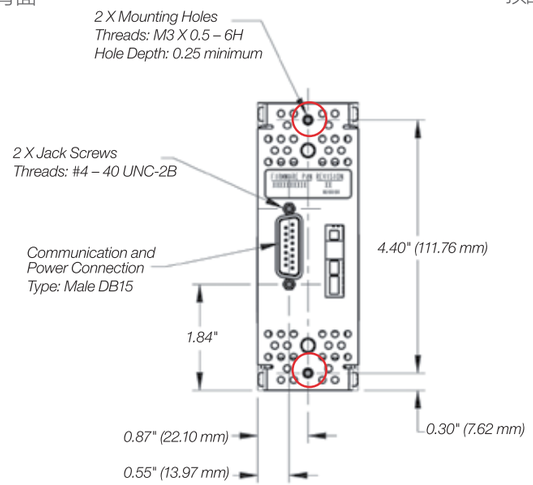
正面



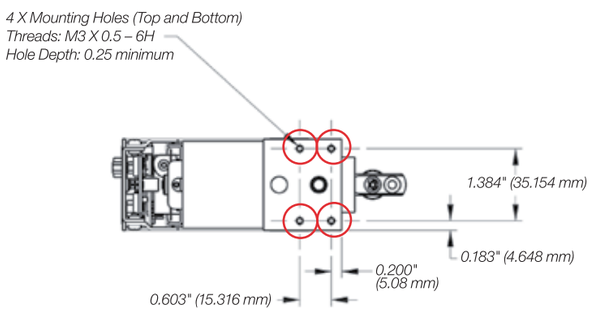
侧面



背面



顶部



PSD/4 高精度注射泵

Description	Part No.
PSD/4 Precision Syringes Pump	54848-01
Starter kit containing Software CD, Demo Communication Cable, and Power Supply	64316-PSD4



用于PSD/4 30mm注射泵

Volume	UHMW-PE Part No.	PTFE Part No.
12.5 µL	N/A	5495-10
25 µL	8250-15	5495-15
50 µL	8250-20	5495-20
100 µL	8250-22	5495-22
125 µL	8250-25	5495-25
250 µL	8250-30	5495-30
500 µL	8250-35	5495-35
1 mL	8250-37	5495-38
1.25 mL	8250-40	5495-40
2.5 mL	8250-45**	5495-45**
5 mL	8250-50**	5495-50**
12.5 mL	N/A	5495-55*

*Not compatible with 57252-01, 58889-01, 8778-01, 7992-01 and 7993-01.
**Not compatible with 7992-01 and 7993-01. Use valve 59943-01 as a substitute for 7993-01.

用于PSD/4的阀



Fluid Logic: Y-Valve
Valve Description:
“Y” Flow Path
Two ports, plus
syringe port
Ceramic Part No.:
8778-01
PTFE/CTFE Part No.:
57252-01



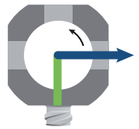
Fluid Logic: Y-Block
Valve Description:
Static non-switching
Y-block
PTFE/CTFE Part No.:
9537-01*



Fluid Logic: 3-2
Valve Description:
90° Flow Path
Two ports, plus
syringe port
Ceramic Part No.:
8063-01



Fluid Logic: 3-3
Valve Description:
“T” Flow Path
Two ports, plus
syringe port
PTFE/CTFE Part No.:
58889-01*



Fluid Logic: 3-5
Valve Description:
Distribution Flow Path
Three ports, plus
syringe port
Ceramic Part No.:
7991-01



Fluid Logic: 4-2
Valve Description:
90° Flow Path
Three ports, plus
syringe port
Ceramic Part No.:
9234-01



Fluid Logic: 4-5
Valve Description:
Distribution Flow Path
Four ports plus
syringe port
Ceramic Part No.:
7992-01



Fluid Logic: 6-5
Valve Description:
Distribution Flow Path
Six ports plus
syringe port
Ceramic Part No.:
9998-01



Fluid Logic: 8-5
Valve Description:
Distribution Flow Path
Eight ports plus
syringe port
Ceramic Part No.:
7993-01, 59943-01

*Valves 9537-01 and 58889-01 have a 0.060" (1.524 mm) fluid path diameter.
All tubing connections are compatible with ¼" x 28 flanged or flangeless fittings.
Select valves are available in 200 – 400 psi upon request.
All valve housings are aluminum. Stainless steel housings are available as a custom option.