



如何选配溶剂瓶安全盖

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为什么要用安全盖

- 降低溶剂的挥发，保证实验室的空气质量，保护实验员身体健康
- 阻止外部空气进入，不让溶剂挥发，保持实验的前后一致性

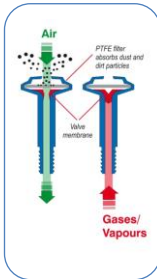


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基本原理

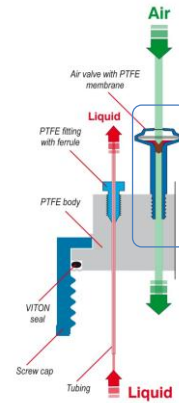
安全盖有效地密封，保证有害蒸气不会挥发到实验室中

放空阀维持恒定的压力，使得溶剂可以以一定速度流入HPLC系统



在HPLC泵运行的时候，放空阀中的膜打开，允许空气进入溶剂瓶，防止溶剂瓶中出现负压。

泵停止时，放空阀中的膜会关闭，溶剂蒸气不会挥发到空气中。



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如何配置-1

第一步，按照溶剂瓶的接口选择相应的瓶盖类型



Caps for
GL45 bottles

Thread Adapter
for GL40 bottles

Cap for
NS29/32 bottles

Cap for S60
containers

Cap Size	Outside Diameter (in mm)	Note
GL40	40	For Merck Bottles
GL45	45	For Duran Bottles (used with Agilent instruments)
S60	60	For 10 Liter waste can (PN: 5043-0243)



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如何配置-2

第二步，选择需要的开口数量及种类

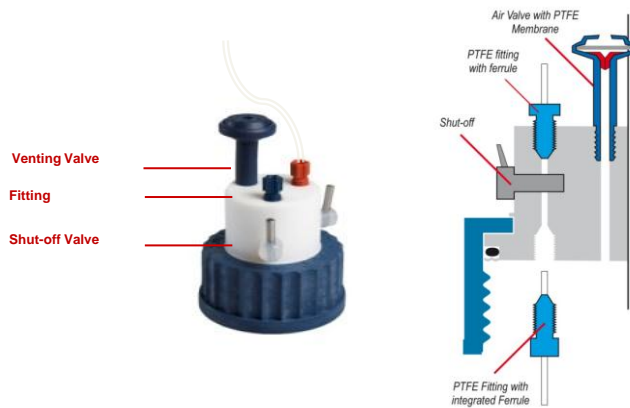


安捷伦HPLC系统默认采用3.2mm管线，如有其它需求，也可以选购如下配件。

-  1.6mm fitting (PN: 5043-0229)
连接自动进样器洗针用的溶剂
-  2.3mm fitting (PN: 5043-0228)
连接泵头冲洗用的管线
-  螺纹堵头 $\frac{1}{4}$ " (PN: 5043-0233)
将暂时不用的口堵住



带关闭阀的瓶盖



List of Products

For NS29/32 solvent bottles

Safety Cap II with 2 ports - NS29/32	5043-0221
2 one piece fittings, PFA, 3,2mm, (1x blue, 1x red)	included
1 venting valve for SCAT Safety Caps incl. filter, 1µm, PTFE membrane	included



For GL 45 solvent bottles

Safety Cap II with 2 ports - GL 45	5043-0222
1 basic cap, PP, blue, GL45, with PTFE cone, with 2 ports	included
2 fittings, PFA 3,2mm, (1x blue, 1x red)	included
1 venting valve for SCAT Safety Caps incl. Air filter, 1µm, PTFE membrane	included



Safety Cap I with 1 port - GL 45	5043-0223
1 basic cap, PP, blue, GL45, with PTFE cone, with 1 port	included
1 one piece fitting, PFA, 3,2mm, black	included
1 venting valve for SCAT Safety Caps incl. Air filter, 1µm, PTFE membrane	included



最常用的配置

Safety Cap II with 2 stopcocks - GL 45	5043-0224
1 basic cap, PP, blue, GL45, with PTFE cone, with 2 ports, 2 Stopcocks	included
2 fittings, PFA 3,2mm, (1x blue, 1x red)	included
2 fittings, PTFE 3,2mm, (white)	included
1 venting valve for SCAT Safety Caps incl. Air filter, 1µm, PTFE membrane	included



Safety Cap I with 1 stopcock - GL 45	5043-0225
1 basic cap, PP, blue, GL45, with PTFE cone, with 1 port, 1 Stopcock	included
1 one piece fitting, PFA, 3,2mm, black	included
1 fittings, PTFE 3,2mm, (white)	included
1 venting valve for SCAT Safety Caps incl. Air filter, 1µm, PTFE membrane	included

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List of Products

For waste bottles

Safety Cap IV 4 ports - 1 leak port - GL45	5043-0226
1 basic cap, PP, blue, GL45, with PTFE cone, with 4 ports and one port for a leak hose (*)	included
4 fittings, PFA, (4x violett (2,3mm) 4x green(1,6mm))	included
1x leak hose (PP)	included

(*) Must be used with Charcoal filter (5043-0230)



Safety Cap IV 4 ports - 1 leak port - S60	5043-0227
1 basic cap, PP, black, S60, with PTFE cone, with 4 ports and one port for a leak hose (*)	included
4 fittings, PFA, (4x violett (2,3mm) 4x green(1,6mm))	included
1x leak hose (PP)	included

(*) Must be used with Charcoal filter (5043-0230)



Safety Waste Sets

5L waste can GL45 with 5043-0226 + 5043-0235	5043-0242
5043-0226	included
5043-0235	included
5042-0230 (Charcoal filter)	Not included



10L waste can S60 with 5043-0226 + 5043-0235	5043-0243
5043-0226	included
5043-0235	included
5042-0230 (Charcoal filter)	Not included

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List of Products

Spare Parts

Fitting for 3,2mm tube PFA (6/pk) (2x blue, 2x black, 2x red)	5043-0255
Fitting for 2,3mm tube PFA (5/pk)	5043-0228
Fitting for 1,6mm tube PFA (5/pk)	5043-0229
Charcoal Filter (48g)	5043-0230
Screw plug 1/8" (PTFE)	5043-0231
Venting valve with 1µm PTFE membrane 这个阀是消耗品，需要每三个月更换一次:P	5043-0232
Screw plug 1/4" (PTFE) (5/pk)	5043-0233
Thread Adapter GL45 - GL40 (PTFE)	5043-0234
2 ports collector (PTFE)	5043-0235
5L waste Can GL45	5043-0236
10L waste Can S60	5043-0237
3 port collector	5043-0238
Adapter for two 3,2mm tubes	5043-0239

