

# Cole-Parmer<sup>®</sup> VapLock<sup>™</sup>

HPLC Solvent Safety Systems



## 3 Easy Steps to Protect Your Laboratory Staff and Environment

- 1 Bottle caps maintain solvent purity
- 2 Waste solvent vapors safely contained
- 3 Absorb hazardous vapors



# HPLC Solvent Delivery

**Cole-Parmer® VapLock™ Bottle Caps** prevent hazardous vapors escaping into the laboratory and maintain the cleanliness and purity of your valuable HPLC mobile phases.



## Maintain a Safe

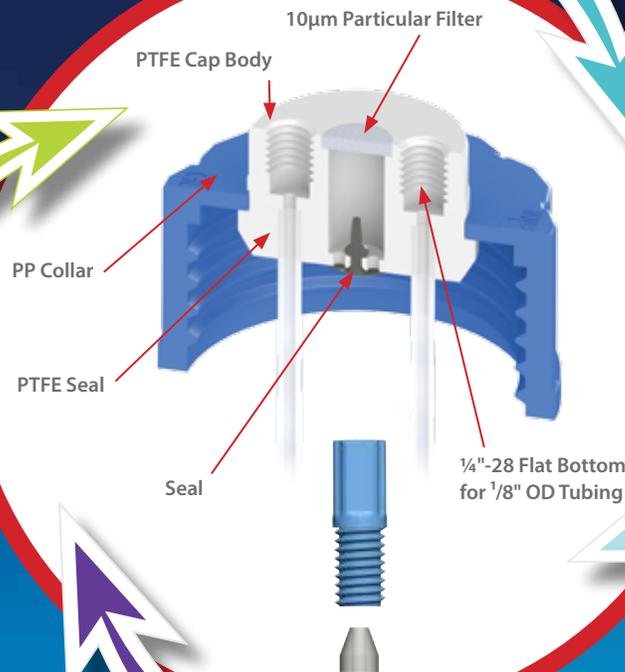
### Protects the Environment and Your Analytical Results

Prevent hazardous VOC's evaporating from your HPLC solvent reservoir into the laboratory. The container remains securely closed and no air is allowed into your HPLC, so your analyses are not compromised by contamination and solvent composition change by evaporation.

**STEP**  
**1**

### Easy to Use and Change Your Bottles

Bottles are removed without movement and tangling of your tubes for simple quick solvent changes.



### Maintain a Safe and Compliant System

Help you face safety/quality inspections without anxiety!

### Easy to Connect and Reliable

The cap creates a tight seal against the solvent reservoir. Inlet tubing is connected into threaded connection ports creating a perfect seal. Filtered air enters the container to replace fluid withdrawn. A built in check valve prevents solvent vapor from escaping into the work place. All materials are HPLC solvent compatible.

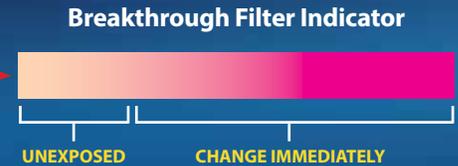
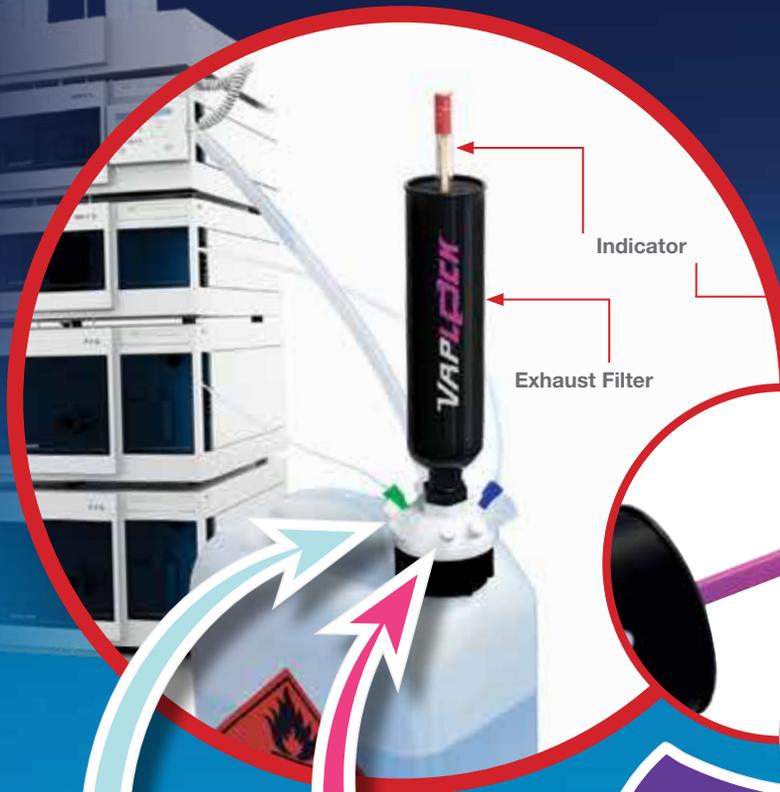
## Safe Collection of Solvent Waste

**Cole-Parmer® VapLock™ Waste Manifold kits** connect to any HPLC system. All waste solvent is contained in a fully enclosed and sealed system. Hazardous solvent vapors are absorbed and prevented from entering your environment.

# HPLC Workplace



Improved solvent collection methods compromise laboratory safety



**Informative**  
The activated carbon filter adsorbs hazardous solvent vapors. A breakthrough indicator shows when the carbon filter is fully loaded and needs to be replaced.

**Simple**  
The Waste Manifold attaches to your HPLC solvent waste container creating a gas tight seal.



**Adaptable**  
Each manifold offers multiple connection ports for any waste line to be securely connected from your HPLC.  
*Kits include all fittings required.*



**Waste Manifold**  
The manifold has a free spinning collar allowing for a quick disconnect and prevents any tangling of solvent lines connected to the HPLC system.

# Cole-Parmer® VapLock™ Waste Manifolds and Kits



**12018-58**  
For GL38 Containers



**12019-00**  
For 53B Carboys



**12019-12**  
For 61mm Containers



**12019-24**  
For 70mm Rieke



**12019-42**  
For 83B Carboys



All kits include a fittings kit to connect with HPLC systems



Replacement filter cartridge with indicator

## Cole-Parmer VapLock Solvent Delivery Caps Cap only

PART NUMBER	DESCRIPTION
<b>ML-12018-08</b>	BOTTLE CAP GL45 2-ported with (2) 1/4-28 ports PTFE with Polypropylene spin collar and FFKM air inlet valve
<b>ML-12018-09</b>	BOTTLE CAP GL45 4-ported with (4) 1/4-28 ports PTFE with Polypropylene spin collar and FFKM air inlet valve
<b>ML-12018-06</b>	BOTTLE CAP GL45 2-ported with (2) 1/4-28 ports PTFE with Polypropylene spin collar and EPDM air inlet valve
<b>ML-12018-07</b>	BOTTLE CAP GL45 4-ported with (4) 1/4-28 ports PTFE with Polypropylene spin collar and EPDM air inlet valve

## Cole-Parmer VapLock Exhaust Filters Filter (s) and indicator

PART NUMBER	DESCRIPTION
<b>ML-12019-79</b>	VAPLOCK EXHAUST FILTER, 75g, activated carbon with HDPE cartridge 1/4 NPT female port
<b>ML-12019-81</b>	VAPLOCK EXHAUST FILTER 5PK, 75g, activated carbon with HDPE cartridge 1/4 NPT female port
<b>ML-12019-80</b>	VAPLOCK EXHAUST FILTER, 75g, activated carbon with HDPE cartridge 1/4 NPT female port and Breakthrough Indicator.

## Cole-Parmer VapLock Waste Manifold Kits Manifold, filter with indicator, adaptors, plugs, and tubing with connections

PART NUMBER	DESCRIPTION
<b>ML-12018-63</b>	Cole-Parmer VapLock Solvent Waste Kit, PTFE, 38-430, 1x1/2" NPTF, 3x1/4" NPTF, 6x1/4"-28 UNFF; 1/ea
<b>ML-12018-68</b>	Cole-Parmer VapLock Solvent Waste Kit, PP, 38 mm Wako, 1x1/2" NPTF, 3x1/4" NPTF, 6x1/4"-28 UNFF; 1/ea
<b>ML-12018-69</b>	Cole-Parmer VapLock Solvent Waste Kit, PTFE, 38 mm Wako, 1x1/2" NPTF, 3x1/4" NPTF, 6x1/4"-28 UNFF; 1/ea
<b>ML-12018-75</b>	Cole-Parmer VapLock Solvent Waste Kit, PTFE, GL45, 1x1/2" NPTF, 3x1/4" NPTF, 6x1/4"-28 UNFF; 1/ea
<b>ML-12018-80</b>	Cole-Parmer VapLock Solvent Waste Kit, PP, DIN 45, 1x1/2" NPTF, 3x1/4" NPTF, 6x1/4"-28 UNFF; 1/ea

## Cole-Parmer VapLock Solvent Waste Systems 20L waste container, manifold, QC fittings, plugs, and filter

PART NUMBER	DESCRIPTION
<b>ML-12020-69</b>	Cole-Parmer VapLock Complete Solvent Collection System, quick disconnect, PP manifold, 20 L
<b>ML-12020-70</b>	Cole-Parmer VapLock Complete Solvent Collection System, quick disconnect, PTFE manifold, 20 L