

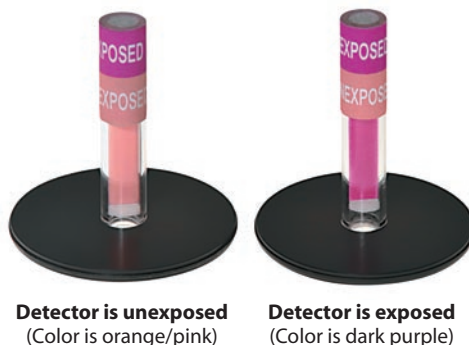
SAFETY PRODUCTS

- Prevents pollution of ambient air with volatile compounds
- Large capacity and long lifetime
- Break-through detector available, alerting users to saturation of the filter absorbent
- Universal 1/4-28 connection – fit all VICI safety caps and VICI caps
- Adapter to competitor products available

Our improved exhaust filter is the center of the VICI Jour safety program, ridding ambient air of solvent vapors which could adversely affect the health of lab workers. When placed on the waste bottle of an HPLC system, the specially-treated absorbent filters out nearly all organic solvent vapor evaporating out of the waste solution.

Our new absorbent has an increased capacity over our previous filter and definitely over a competing brand. Excellent capacity leads to longer lifetime of the exhaust filter: up to 10 months* for methanol, and up to 8 months* for acetonitrile. The new design also has improved stability at the connecting threads.

The optional break-through detector recognizes trace amounts of acetone, acetonitrile, ethanol, ethyl acetate, methanol, methylene chloride and THF. When the absorbent is saturated, break-through is indicated by a color change in the detector from orange/pink to dark purple. A small charcoal filter absorbs the vapors after they pass the detector.



*Based on results of our tests (water/organics = 50/50; flow rate 1.0 ml/min during the day, 0.5 ml/min overnight, 0.1 ml/min during weekends).

Safety exhaust filters

1/4-28

SPECS

- Connections: 1/4-28
- Materials: Filter housing: POM; Detector housing: PC; Frits: Polyethylene; O-ring: NBR (O-ring is not a wetted part)

Description	Product No.
Exhaust filter	
With detector	JR-S-20005
Without detector	JR-S-20002
Adapter	JR-S-40004
Connects VICI safety exhaust filter to SCAT® waste caps and A.I.T. smart waste caps	



NOTE

Disposal of the saturated filters must be done according to the local regulations for chemical waste.

TECH TIPS

- Larger capacity = longer lifetime = lower costs
- As a general rule, halving the flow rate doubles the lifetime at constant composition and temperature. Doubling the flow rate halves it.

RELATED PRODUCTS

- Carbon dioxide filter... 71
- Humidity filter... 71
- Safety caps... 62-63
- VICI caps... 64-65

See additional information about VICI safety exhaust filters on the facing page.