

b.safe Caps PFAS Analytic



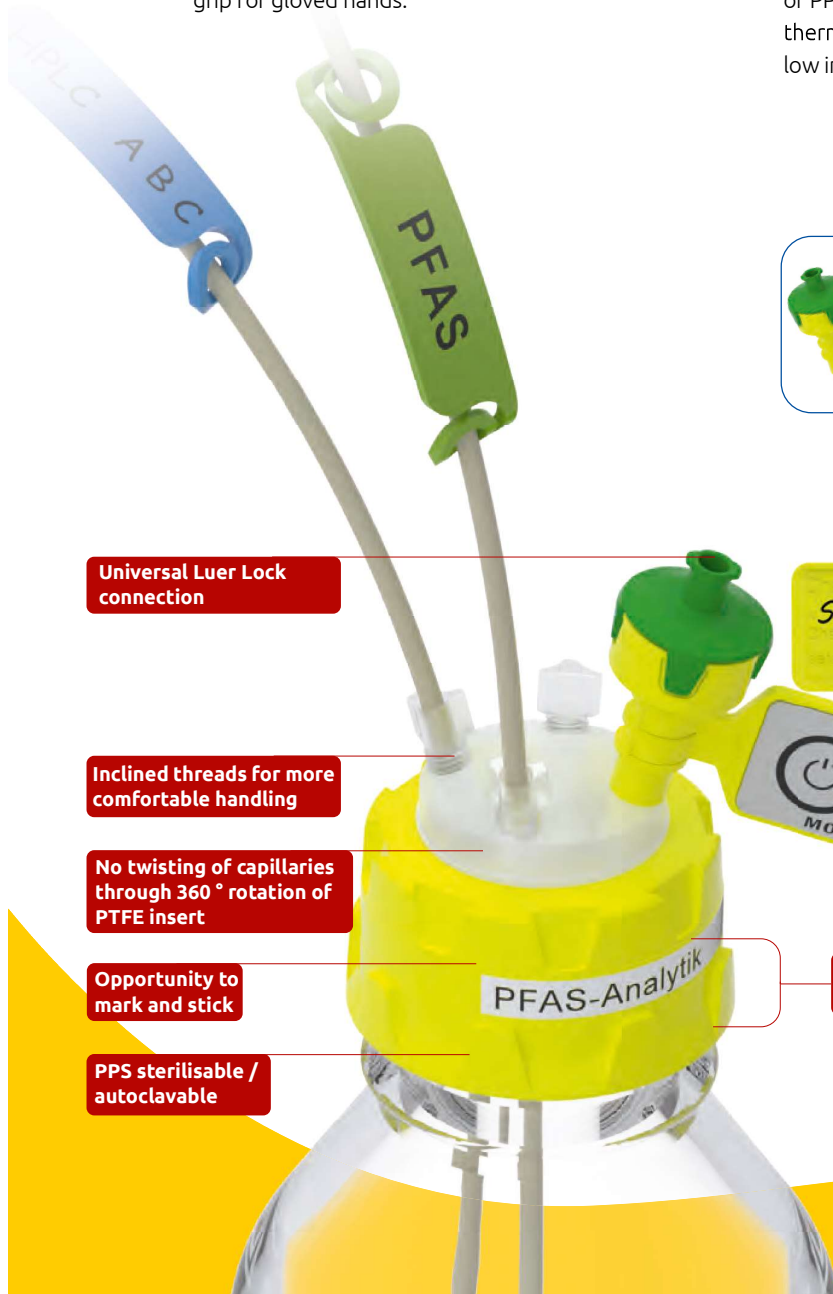
b.safe Caps GL45 PFAS Analytic together with Fittings, Tubing and an Air Valve form a perfect unit for solvent extraction from bottles and canisters with GL45 thread, as part of demanding PFAS analysis.

With the cap made of robust PPS and the chemically highly resistant PP insert, b.safe Caps GL45 can be sterilized and autoclaved and easily cleaned in the dishwasher.

The ergonomic design and eroded surfaces offer stable grip for gloved hands.

Through their freely movable insert, they can be easily screwed without disarranging the connected PEEK capillaries. Inclined threads (UNF 1/4") guarantee intuitive insertion of fittings (PE) and air valve (PP dust filter membrane) and offer more space on the PP insert and a better overview. Tubes can be inserted into the bottle safely and without being bent.

A Viton® flat sealing provides tight sealing at the closure through compensation of possible production tolerances on the bottle neck. A special sealing lip made of PP isolates it from the vapour space. This solution is thermally and chemically highly resilient and offers a low installation height.



Universal Luer Lock connection

Inclined threads for more comfortable handling

No twisting of capillaries through 360° rotation of PTFE insert

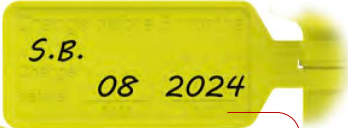
Opportunity to mark and stick

PPS sterilisable / autoclavable



b.safe Order directly

Air Valves Page 7
Economy pack for an exchange every 6 months.



Activation of service life through touch of the button and/or individual marking on the back side



Good grip for any hand size

NEW**b.safe Caps PFAS Analytic GL45**

Material: **PP, PPS** | Temperature resistance: **0°C to +110 °C**
 Chemical resistance: **++ very good**

Free from polyhaloolefins,, unrestrictedly suitable for PFAS analysis. Screw cap made of PPS for GL 45 thread, free movable insert made of PP. With PE Fittings for capillaries with O. D. 3,2 mm (thread UNF 1/4" 28G), blind fittings made of PE to close unused connections and an Air Valve (Filter membrane PP) with service life indicator. Version and scope of delivery as per below chart.



	Number of capillary connectors	Number of Fittings	Number of Blind Fittings	Cat-no.
A	3	3 x Ø 3,2 mm (milky white)	2 (milky white)	M 445-03

Application:

Perfectly matched system for extraction of eluents in context of the PFAS analytic. Tubing can be inserted onto the ground of the bottle by means of the b.safe Fittings made of PE. The conical seal cone clamps the tubing and seals the connection safely. The b.safe Air Valve is especially adapted to the flow rate in HPLC. The integrated non-return valve avoids evaporation of solvents and lets flow ambient air into the bottle in case of vacuum. The upstream PP membrane restrains pollutant particles and other contaminations from outside, but does not interfere with the sensitive PFAS analytic. The 6 months service life of the Air Valve can be easily monitored through either activating the display on the service life indicator and exchanging the valve in case of completely red colouring or documentation of the exchange date by hand and clip on the service life indicator at the valve.



**Bottle thread
GL45 (DIN168)**