

b.safe Caps GL45

b.safe Caps GL45 together with Fittings, Tubing and an Air Valve form a perfect unit for solvent extraction from bottles and canisters with GL45 thread.

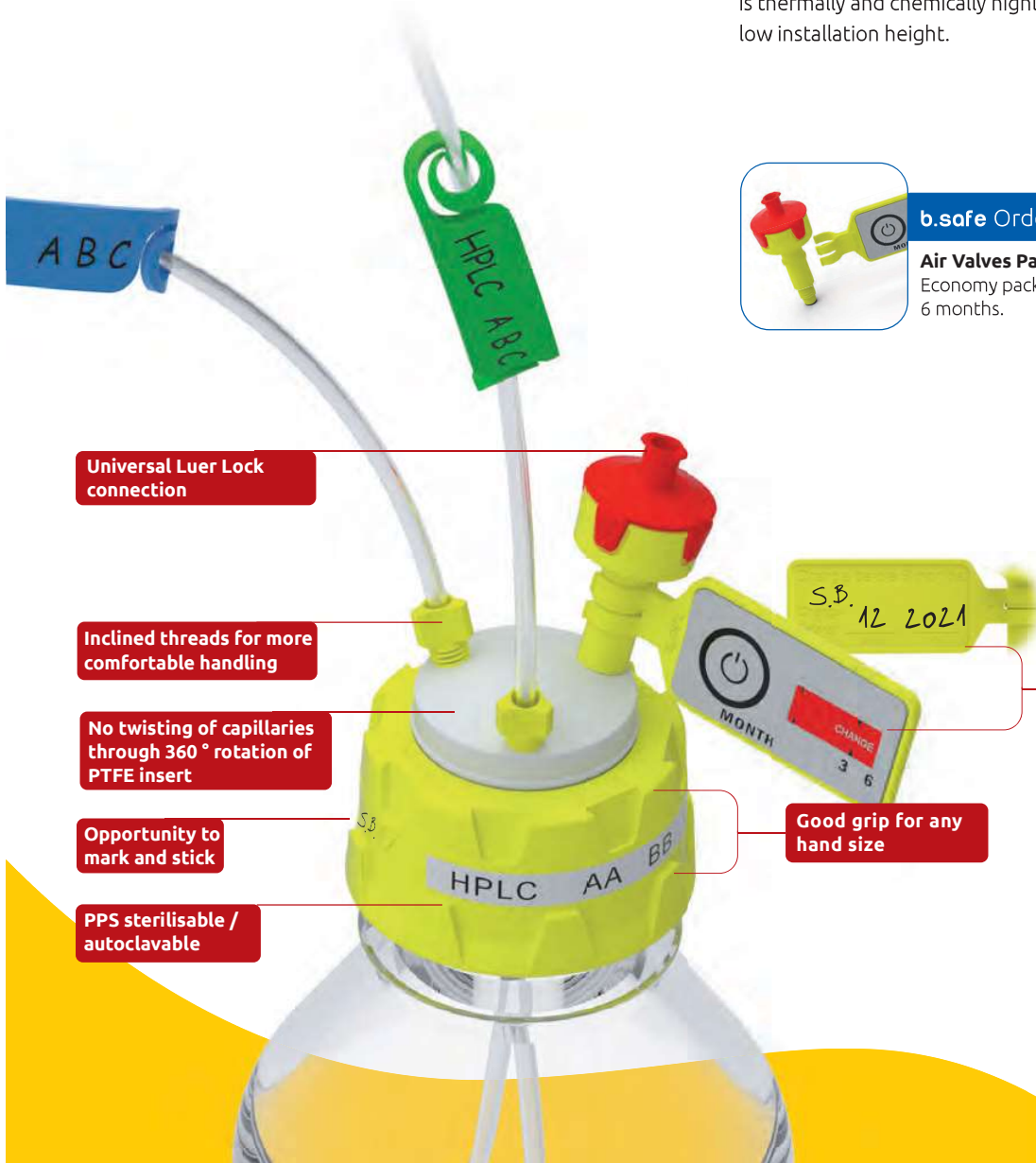
With the cap made of robust PPS and the chemically highly resistant PTFE insert, b.safe Caps GL45 can be sterilized and autoclaved and easily cleaned in the dishwasher.

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 capillaries.

Inclined threads (UNF 1/4") guarantee intuitive insertion of fittings and air valve and offer more space on the PTFE 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 PTFE isolates it from the vapour space. This solution is thermally and chemically highly resilient and offers a low installation height.



b.safe Order directly

Air Valves Page 39
Economy pack for an exchange every 6 months.

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

Good grip for any hand size

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

b.safe Caps **GL45**

Material: **PTFE, PPS** | Temperature resistance: **-20 °C to +200 °C** |
Chemical resistance: **+++ universal**

Screw cap made of PPS for GL45 thread, free movable insert made of PTFE. With PFA fittings for capillaries with O. D. 3,2 mm (thread UNF 1/4" 28G), blind fittings made of PFA to close unused connections and an Air Valve 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	1	1 x Ø 3,2 mm (yellow)	0 (milky white)	M 145-01
B	2	2 x Ø 3,2 mm (yellow)	1 (milky white)	M 145-02
C	3	3 x Ø 3,2 mm (yellow)	2 (milky white)	M 145-03
D	4	4 x Ø 3,2 mm (yellow)	3 (milky white)	M 145-04
E	6	6 x Ø 3,2 mm (yellow)	5 (milky white)	M 145-05

Application:

Perfectly matched system for removal of eluents. Tubing can be inserted down to the ground of the bottle by means of the b.safe fittings made of PFA. 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 ambient air flow into the bottle in case of vacuum. The upstream porous PTFE membrane restrains pollutant particles and other contaminations from outside. The 6 months service life of the filter can be easily monitored through either activating the display on the cap and exchanging the valve in case of completely red colouring or documentation of the exchange date by hand and clip in the display at the valve. PFA Fittings in other colours and for other tubing diameters can be found from page 43.



b.safe INFORMATIVE

Operating Principle Page 162

This is how pressure compensation is made during extraction.



Bottle thread GL45 (DIN168)

Not sure if this cap fits?

Help for thread determination from page 168.