

b.safe Waste Caps

GL45

b.safe Waste Caps GL45 are especially adapted to the requirements on the collection of solvent waste in HPLC. The PTFE-insert is equipped with several threads (UNF 1/4", NPT 1/8") for a direct connection of different tubing diameters by means of Fittings or Hose Connectors. The HPLC waste can be led directly into a collection container with thread GL45.

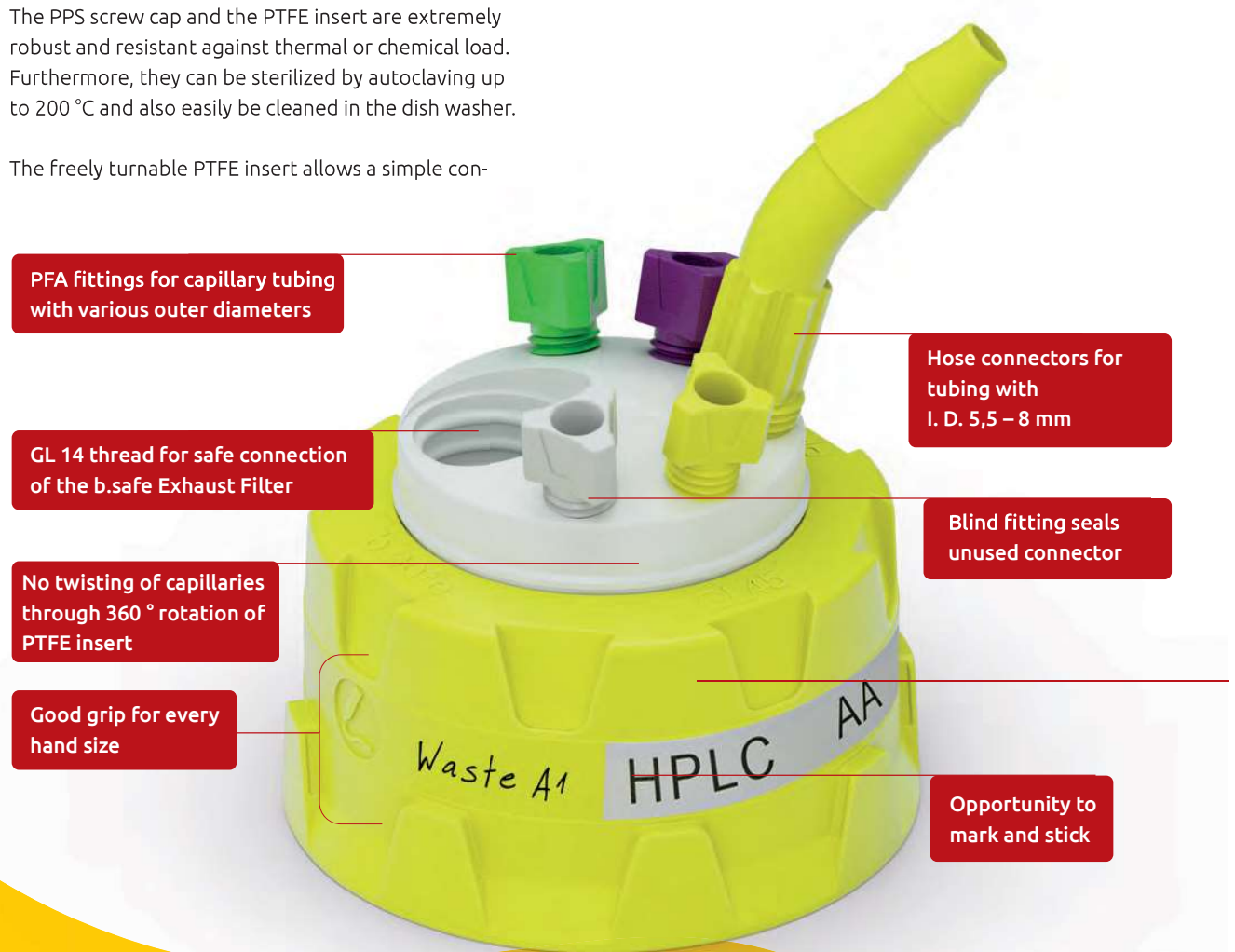
The connector GL14 is reserved for the separately available Exhaust Filter. Its activated carbon filling adsorbs solvent vapours which are produced during filling so that no harmful vapours can escape from the collection container.

The PPS screw cap and the PTFE insert are extremely robust and resistant against thermal or chemical load. Furthermore, they can be sterilized by autoclaving up to 200 °C and also easily be cleaned in the dish washer.

The freely turnable PTFE insert allows a simple con-

tainer exchange without disarranging the installed capillary tubing and tubes. All tubes and tubing are firmly and tight fixed by Fittings with optimized inner cone and/or non-slip hose connectors.

A Viton® flat sealing provides tight closure of the collection container as it compensates possible production tolerances on the threaded neck. A special sealing lip made of PTFE isolates it from the vapour space. Combined with an Exhaust Filter, b.safe Waste Caps GL45 are the perfect protection for the disposal of solvent waste.



b.safe Waste Caps **GL45**

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

Screw cap made of PPS for GL 45 thread, free movable insert made of PTFE. With PFA fittings for capillaries with O. D. 1,6 / 2,3 / 3,2 mm (thread UNF 1/4" 28G), blind fittings made of PFA to close unused connections. Hose connector for tube I. D. 5,5 - 8 mm (thread NPT 1/8") and another connector (thread GL14) to screw in a b.safe Exhaust Filter (not included in the scope of delivery). Version and scope of delivery as per below chart.

	Number of capillary connectors	Number of Fittings mm	Number of Blind Fittings	Hose Connectors	Cat. No.
A	3	3 x Ø 1,6 (green) 3 x Ø 2,2 (purple) 3 x Ø 3,2 (yellow)	2 (milky-white)	0	M 345-01
B	2	2 x Ø 1,6 (green) 2 x Ø 2,2 (purple) 2 x Ø 3,2 (yellow)	2 (milky-white)	1 x Ø 5,5 - 8 mm	M 345-05
C	4	4 x Ø 1,6 (green) 4 x Ø 2,2 (purple) 4 x Ø 3,2 (yellow)	3 (milky-white)	1 x Ø 5,5 - 8 mm	M 345-10



Application:

Safe disposal of solvents without leakage of harmful solvent vapours. With b.safe Fittings made of PFA, tubes can easily inserted in the waste container; the conical seal cone clamps the tubing and seals the connection safely. Through the connection of tubing with I. D. 5,5 - 8 mm, large amounts of liquids can be disposed. Solvent vapours from the escaping air during filling are restrained through the Exhaust Filter containing activated carbon. The service life of the filter can be easily monitored through either activating the display on the lid and exchanging the filter in case of completely red colouring or documentation of the exchange date by hand. PFA Fittings in other colours and hose connectors for many inner diameters can be found from page 97.

PPS sterilisable /
autoclavable



Canister thread **GL45 (DIN45)**

Not sure if this cap fits?

Help for thread determination from
page 168.