

b.safe

Data Sheet

b.safe Distributor for Flushing Bottles



b.safe Distributor for Flushing Bottles

Use the b.safe Distributor for Flushing Bottles and relay also during flushing of inlet channels on a consequently tight system.

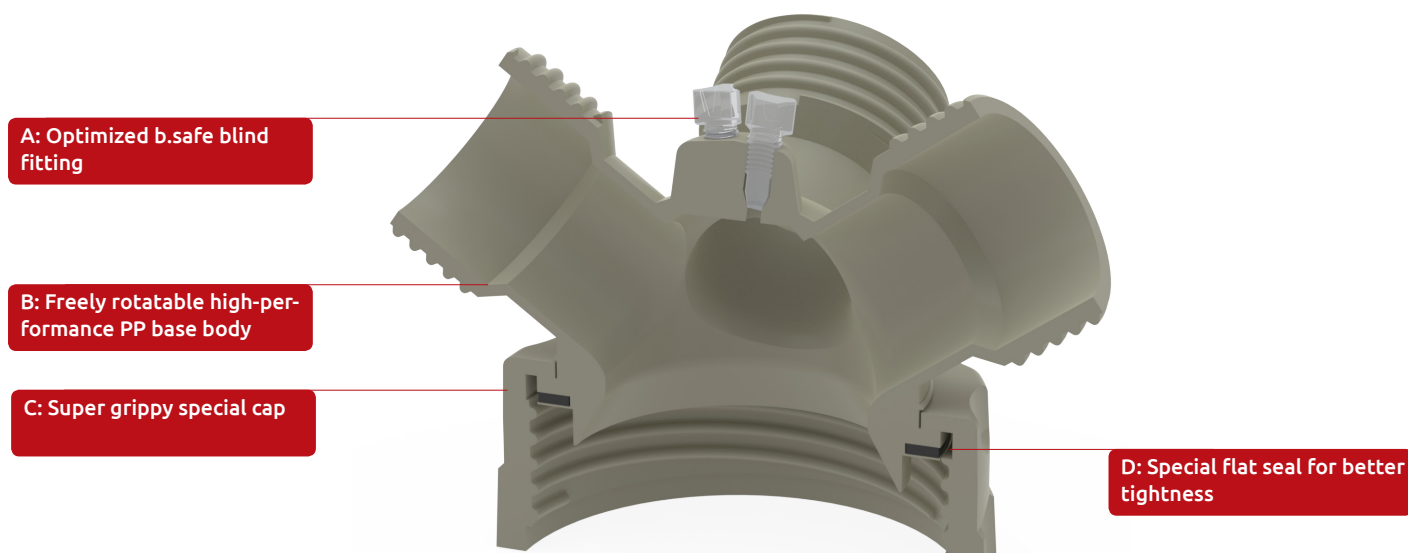
Instead of hanging the capillaries in an open flushing bottle, you can remove the b.safe Cap GL45 from the extraction bottle, introduce all connected tubing including suction filters into the flushing bottle and close it tightly by screwing the b.safe Cap on the lateral GL45 neck of the distributor.

By using completely assembled b.safe Caps the system can be flushed without any worries regarding a contamination of the used solvents or an escape of solvent vapours.

The special feature of the b.safe Distributor for Flushing Bottles: besides the cleaning of the inlet capillaries via the four GL45 ports, also piston back flushing and needle seat irrigation are possible by connecting suitable tubing to the 3 central capillary connectors (thread UNF 1/4).

Unused ports on the Distributor for Flushing Bottles can be closed with standard screw caps GL45.

b.safe Distributors for Flushing Bottles are available for flasks with either thread GL45 or GLS80. We recommend to use bottles with thread GLS80 in order to ensure a comfortable insertion and removal of the tubing including assembled suction filters.



A: b.safe Blind fitting

PFA

Properties	Value	Test standard
Colour	nature	-
Melting point	> 300 °C	ASTM D3418
Melt flow rate	24,0 to 37,0 g/10min	ASTM 3307
Specific weight	2,12 to 2,17	ASTM D792
Tensile strength	> 20,7 MPa	ASTM D638
Expansion	> 275 %	ASTM D638
Conformities	FDA RoHs REACH BSE/TSE	VO 10/2011/EU 2011/65/EU RoHS EC 1907/2006 1774/2002/EG

B: b.safe High performance basic body

Properties	Value	Test standard
Colour	grey	
Material	PP	-
Density	0,91 - 1,14 g/cm ³	DIN 53479
Odor	odorless	-
Melting temperature	165 °C	DIN 53765
Start of thermal decomposition	240 °C	DIN 53765-D-10
Ignition temperature	330 °C	ASTM-D 1929
Conformities	FDA Class VI REACH BST/TSE	177.1520 Plastic EX/1907/2006 999/2001

C: b.safe Special cap

Screw cap for flushing bottle distributors with the following sizes: GL45

Properties	Value	Test standard
Material	PPS reinforced with 40% glass fiber	-
Density	1650 kg/m ³	ISO 1183
Bending stress	285 MPa	ISO 178
Rockwell hardness	100 M-Scale	ISO 2039-2
Melting temperature	280 °C	ISO 11357-1
Flammability	V-0	UL94
DTUL at 1.8 MPa	270 °C	ISO 75-1
DTUL at 8.0 MPa	215 °C	ISO 75-1
Conformities	FDA RoHs Class VI	CFR 77.1380 2011/65/EU RoHS USP 35 (88)

Properties	Value	Test standard
Colour	yellow	-
Carrier material	PPS	-
Temperature resistance	300 °C	-
Lightfastness	6	Blue scale

Screw cap for flushing bottle distributors with the following sizes: GLS80

Properties	Value	Test standard
Colour	grey	
Material	PP	-
Density	0,91 - 1,14 g/cm ³	DIN 53479
Odor	odorless	-
Melting temperature	165 °C	DIN 53765
Start of thermal decomposition	240 °C	DIN 53765-D-10
Ignition temperature	330 °C	ASTM-D 1929
Conformities	FDA Class VI REACH BST/TSE	177.1520 Plastic EX/1907/2006 999/2001

D: b.safe Special flat seal

Properties	Value	Test standard
Colour	black	-
Material	FKM	-
Temperature range	-10 - +230 °C	-
Hardness	70-80 SHA	Din ISO 7619-1
Density	1,85-2,05 g/cm ³	-
Tear resistance	9 MPa	DIN 53504
Elongation at break	165-235 %	DIN 53504
Short-term peak temperature	275 °C	-
Fire behavior	V0	UL94
Acid resistance	very good	-
Alkali resistance	conditionally	
Conformities	FDA RoHs Class VI	CFR 77.1380 2011/65/EU RoHS USP 35 (88)

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