

FLUXX[®] Vented Caps

Series KSE



Scope of application

Our unique FLUXX[®] Vented Caps are equipped with the SAVE System and are available for common thread sizes with DIN 45, 51 and 61. For the venting system we are using high-quality membranes, which enable a continuous pressure compensation with gaseous liquids, to prevent containers from swelling and collapsing. The membranes are hydrophobic as well as oleophobic, and as a result, they are not moistened even by liquids with a low surface tension.

SAVE Venting System

The SAVE (SAfety VEnt) has a wedge-like design and the membrane is welded on at a 60° angle. This enables the liquids to drain off immediately, leaving the membrane unob-



structed and air permeable. In addition, no splash protection is needed as the liquid flows past the beveled membrane, should a canister fall over, rather than hitting it head-on.

Suitability for hazardous goods

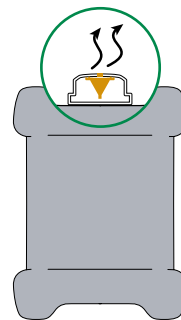
Because of the construction and performance values, our FLUXX[®] Vented Caps can fulfil all requirements for authorization with various containers – especially in accordance with the test specifications set forth in the ADR regulations. As a standard feature, the Caps are equipped with a molded on tamper-evidence ring as well as an EPE sealing ring.

Declaration of food conformity

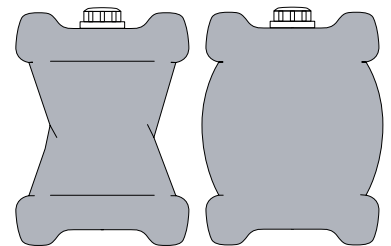
All products comply with regulations EU no. 10/2011, EC no. 1935/2004 as well as LFGB and are fit for human consumption under the food law as well as from a physiological point of view – inspected and approved by certified testing institutes. In addition, selected products fulfil further international regulations – especially according to FDA as well as Mercosur – and are available upon request.

Mode of operation

With **FLUXX**[®]
Venting System



Without
venting System



Benefits

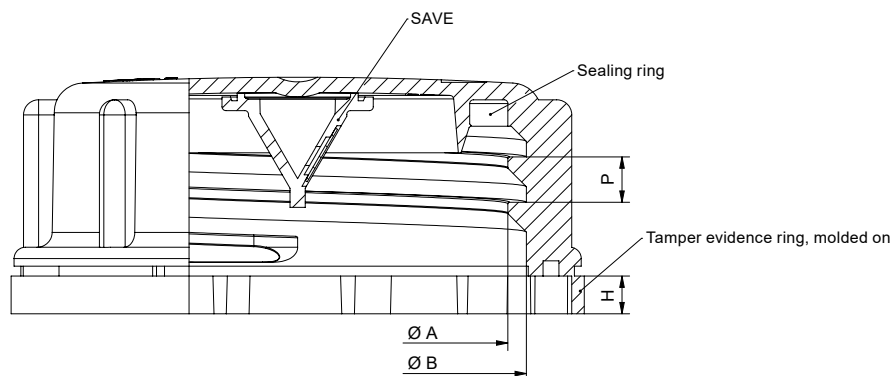
- Continuous pressure compensation
- Prevent containers from swelling and collapsing
- Reliable protection against leaks
- Drip-off edge for a rapid re-ventilation after contact with liquids
- Ready to use – venting component combined (welded) with the cap
- Declaration of food conformity

Application examples

- Liquid food
- Agrochemicals
- Cleaners
- Hygiene and care products
- Industrial chemicals

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Product portfolio

Description	Picture	Item number	Quantity	Dimensions
KSE 45 SAVE OV with molded on tamper-evidence ring for DIN 45 thread		332 93x	18,000 pcs. (20 cartons)	Ø A = 41.1 mm / Ø B = 44.7 mm P = 4 mm (Thread pitch) H = 5 mm
KSE 51 SAVE OV with molded on tamper-evidence ring for DIN 51 thread		357 13x	10,000 pcs. (20 cartons)	Ø A = 50.2 mm / Ø B = 54.8 mm P = 5 mm (Thread pitch) H = 5 mm
KSE 61 SAVE OV with molded on tamper-evidence ring for DIN 61 thread		367 13x	7,000 pcs. (20 cartons)	Ø A = 55.6 mm / Ø B = 60.5 mm P = 6 mm (Thread pitch) H = 5 mm

Customizations (especially alternative membranes) upon request.

Materials	
Cap:	Polyethylene (PE)
SAVE:	Polyethylene (PE)
Membrane:	Polytetrafluorethylene (PTFE)
Backing:	Polypropylene (PP)
Sealing ring:	Expanded Polyethylene (EPE)

Colors					
Black	Red	White	Blue	Yellow	Green

Other colors upon request.

Performance values	
Typical water entry pressure (WEP):	0.8 bar
Typical airflow at 12 mbar:	3.6 L / h

Chemical resistance
Our products achieve a high chemical resistance to many liquids. However, we cannot guarantee comprehensive chemical resistance of specific applications. Therefore, we recommend individual testing of customer applications prior to use – with the support of our experts.