The new PROTEGO® EB deflagration and endurance-burning flame arrester vent cap features persuasive reliability, high flow efficiency and lightweight construction.

**Function**

The PROTEGO® EB prevents entry of atmospheric deflagration (Fig. 1) into unpressurized systems and vessels.

In the event of endurance burning (Fig. 2) occurring on the PROTEGO® flame arrester, the centrally arranged fusible link will melt and the cap will open. While stabilized burning is visible from afar, the flame is successfully prevented progressing into the tank.

**Application**

Used to protect unpressurized
- storage tanks
- tanks and vessels in chemical, petrochemical and pharmaceutical process plants
- venting and outbreathing lines of equipment and machinery
Advantages

- Approved to EN ISO 16852 for Explosion groups IIA and IIB.
- For nominal sizes DN 25/1” to and including DN 800/32”
- High flow efficiency.
- Potential to further increase the flow efficiency through use of a taper.
- The weather hood automatically opens in the event of burning.
- The burning is visible at a great distance around.
- Low weight facilitates assembly and dismantling for installation, maintenance and repair work.
- Ease of maintenance without removal of the FLAMEFILTER®.
- Excellent availability of spare parts.
- Designs of special-grade materials can be supplied.

Construction and Design

1 FLAMEFILTER® Cage
2 Flanged ring
3 FLAMEFILTER®
4 Fusible link
5 Cap