PROTEGO® EB

Patent Applied for Newly Developed Endurance Burning Proof Flame Arresters for Nominal Sizes up to DN800 / 32″

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

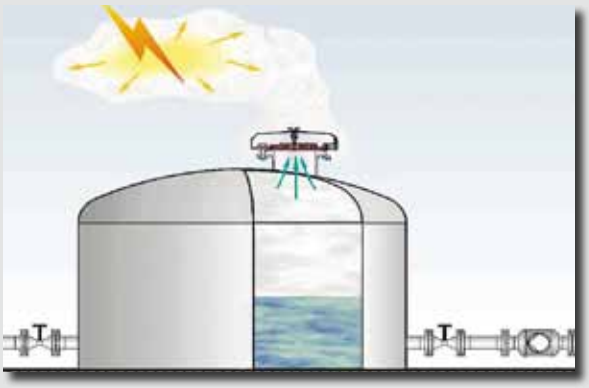


Fig. 1: Atmospheric deflagration

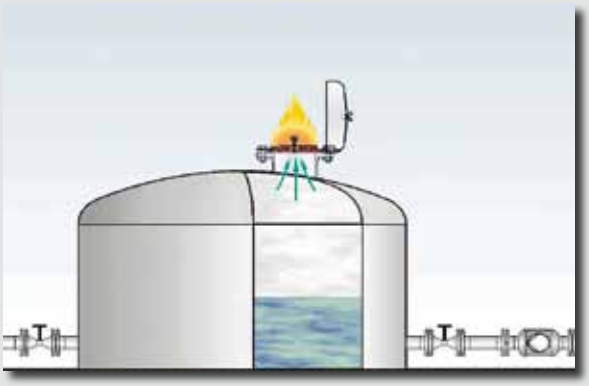


Fig. 2: Endurance burning (stabilized burning)

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.

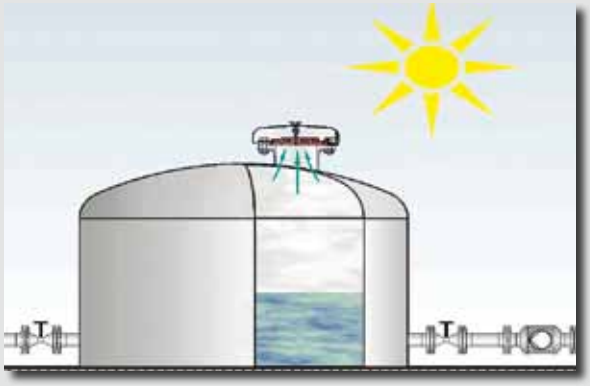
Application

Used to protect unpressurized

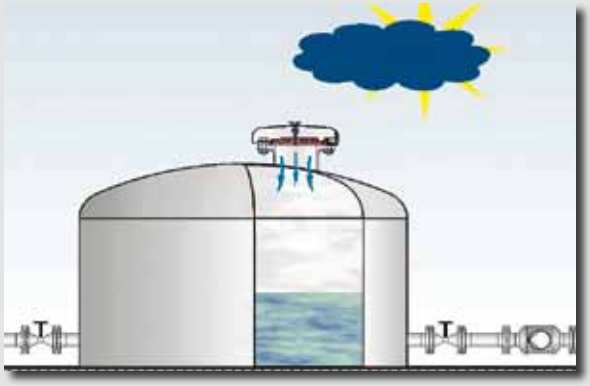
- storage tanks
- tanks and vessels in chemical, petrochemical and pharmaceutical process plants
- venting and outbreathing lines of equipment and machinery

PROTEGO

for safety and environment



PROTEGO® EB for tank outbreathing



PROTEGO® EB for tank inbreathing

Advantages

- Approved to EN ISO 16852 for Explosion groups IIA and IIB.
- For nominal sizes DN 25/2″ 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

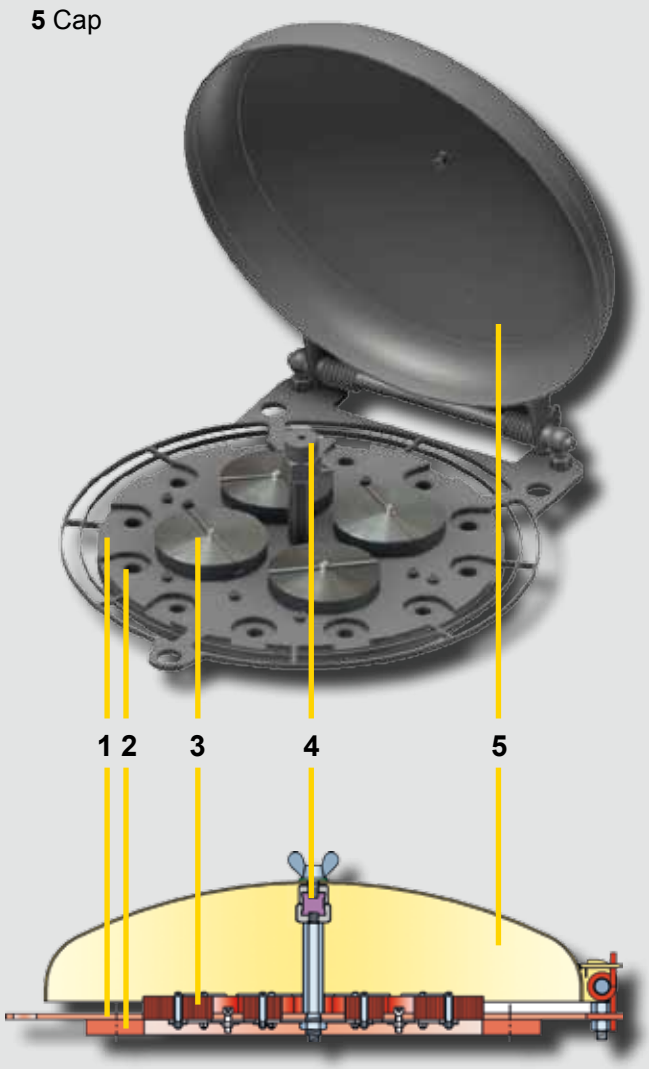
1 FLAMEFILTER® Cage

2 Flanged ring

3 FLAMEFILTER®

4 Fusible link

5 Cap



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