

Brilex Explosion Vent



Venting of dust explosions has been practiced for more than 50 years and provides the best protection for facilities where dust explosions can occur. When specifying bursting discs, the immense impact of pressure waves and flame propagation in the outside area needs to be considered. Explosion relief must therefore be directed to a safe area.

BRILEX - Explosion Vents are specially designed for relief of dust explosions. By early relief of an incipient explosion, BRILEX Explosion Vents protect people and industry worldwide.

Worldwide standards require explosion vents to have a light construction with fast relief dynamics. The resulting venting efficiency needs to be documented after dynamically testing each design. Furthermore, BRILEX Explosion Vents are designed for non-fragmentation. BRILEX Explosion Vents have been specially designed for these requirements and dynamically tested by independent institutions. The maximum pressure generated in the vessel during a BRILEX vented explosion (Pred), will be significantly reduced by the faster opening of the single-section explosion vent. This provides security and reduced costs.

BRILEX - GE

Filter installations with pneumatic cleaning systems and a very high vacuum operation require an explosion vent that withstands vacuum and positive pressure cycling for a long time. For such requirements the BRILEX - GE is the best choice. Its domed design enables negative pressure resistance without the need for extra vacuum support. Standard GE features are pressure spike control and integrated flange gaskets.

Mounting Frames

The necessary outlet flange can also be supplied. The following material is available: Zinc plated carbon steel or stainless steel.

TYPE GE (dia mm)			
250	300	350	400
450	500	600	700
750	800	900	1000
1100			

Table of Sizes (mm)
Vent aperture dimensions

Burst Sensor

To monitor an installation a burst sensor type SE can be installed. The sensor signals the opening of the bursting disc so that equipment such as fans or rotary valves can be switched off. SE sensors are installed separately and just above the explosion vent. This enables SE sensors to be easily adapted to existing installations. They are also suitable for the food industry.

Quality Control, Approvals and Documentation

Each batch of explosion vents is tested in the factory according to CEN TC 305/WG 3/SG 2. Burst tests are witnessed by BRILEX Quality Control (QC) personnel or on request by independently accredited third parties such as TÜV or others. The discs are then tagged by BRILEX QC personnel. Works test certificates (burst test certificates) will generally be provided for all products according to EN 10204 3.1 B.



Euratex Limited
22 Prospect Place
Hiple Street
Woking
Surrey GU22 9LP

Tel: +44 (0)1483 901311
Fax: +44 (0)1483 433313
www.euratex.co.uk