

Venting of industrial dust explosions has been practiced for many decades and provides an economical protection solution for facilities where dust explosions can occur.

When specifying explosion vents, the impact and associated risks of the ejected fireball (both pressure and flame) in the vicinity of the installed vent needs to be considered. Explosion relief must therefore be directed to a safe area. If explosion venting is a suitable option for an application then explosion isolation must also be considered in order to reduce the risk of flame propagation along ducting to connected process plant.

Explosion vents:

- GE – filter installations with pneumatic cleaning systems and high vacuum operations require an explosion vent that can withstand vacuum and positive pressure cycling for a long periods of time.
- KE – provides long durability and aerodynamic advantages. Pressure spike tolerance, integrated flange gaskets, cross rib and folded edges are standard KE design features.
- KER – vent is perfect for standard applications in powder handling and storage. The KER is suitable for plant equipment with static over/under pressure conditions up to 50% of the rated rupture pressure.



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