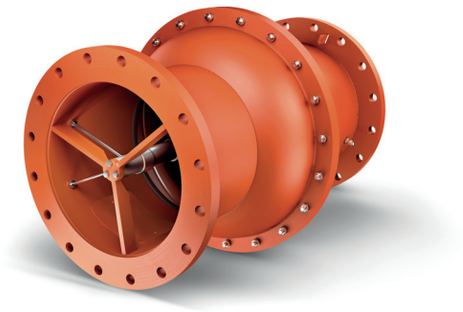
Flameless Explosion Venting

Flameless explosion venting is a flame arrester that is designed to protect people and equipment from the flames and the dust, only releases the post-combustions gases.

* Flame extinguishment
* Dust retention
* Economical installation
* Fast, easy and more economic return to production
* Easy, quick field refurbishment
* ATEX certified

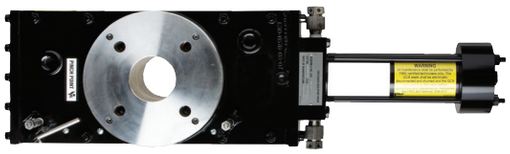
Passive Explosion Isolation Valve

Isolation valve prevents explosions from spreading through dust collectors to inlet ducting. Valve is a “passive” valve, meaning it is closed by the explosion pressure itself and it resets automatically after an explosion vent. In dust collector unit, a pressure wave will force to close the flap plate and lock inposition. When flap plate is closed it makes an effective barrier against approaching flame front.



Flow Actuated Explosion Isolation Valve

Flow Actuated Explosion Isolation Valves are closed by the force of energy supply, detectors or system controls. Design is made as to close in milliseconds providing a mechanical barrier against flame and pressure.



Explosion Isolation Valve

After the detecting an explosion, valve is designed to close within milliseconds. Valve prevents the spread of flames and pressure (in both directions), effectively preventing an explosion from moving through your process piping or duct work.