CHEMICAL ISOLATION & SUPPRESSION

ADVANTAGES

- Isolation barrier does not generate any additional pressure drop
- No risk zones required
- Equipment certified to ATEX, in compliance with NFPA
- Active explosion protection system
- Contain harmful emissons in case of an explosion
- Application-specific substances to suppress the explosion

Application	- Chemical isolation and chemical suppression is mostly used on pharmaceutical & chemical processes. - Applicable for applications which require indoor installation of the dust collector.
Installation Options	- These active protection devices can be used in combination with Camfil´s Gold Series Camtain or Gold Series X-Flo dust collectors. - Sizing and number of bottles depends on the size of the application. - Chemical isolation or suppression can be retrofitted to existing systems (subject to review). - Dust collectors using chemical isolation or suppression can be installed freely inside the building, close to the process.
Comment	Chemical Isolation: Chemical isolation is used to detect and suppress explosions from propagating down a ductwork system. Reacting within milliseconds of detecting an explosion, this system can be installed in the inlet or outlet ducting. Typical components include explosion pressure detector(s), flame detector, chemical agent, and a control panel. It creates a chemical barrier that suppresses the explosion within the ducting and reduces the propagation of flame through the ducting. Chemical Suppression: Chemical suppression is used to detect and suppress explosions within an enclosed vessel. It is often used to protect the dust collector when it is not possible to safely vent an explosion or where the dust is harmful or toxic. The system detects an explosion hazard within milliseconds and releases a chemical agent to extinguish the flame before an explosion can occur. We supply equipment which is compliant according to regional regulation such as ATEX or NFPA.

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