

Suppression and Isolation



Picture: Kidde

Explosion suppression systems by Kidde prevent the generation of high pressures in enclosures. They stop evolving explosions by injecting an extinguishing agent within a few milliseconds, eliminating any hazard before consequential damages may arise. Some advantages of Kidde explosion suppression systems are that they can be applied for toxic fuels and that they can be installed on most industrial installations. A further possibility for safe production environments are explosion isolation systems. These are implemented where dust explosion hazardous components are con-

nected by pipelines or conveying systems. Owing to the danger of an explosion transmission, plant components must be isolated from each other and also from unprotected areas. Increasing pressures expand at the speed of sound. High quality sensors are able to detect these increases within milliseconds. The processing and decision-making logic developed by Kidde reliably detects any developing explosion and is able to distinguish between an explosion pressure increase and a process-related pressure fluctuation. ■

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