



EXPLOSION PROTECTION SYSTEMS

Safeguarding Your Facilities from
Catastrophic Loss Caused by Explosions





Protection You Can Trust

Founded in 1919, The Hiller Companies is a full service fire protection and security provider. Our mission is to minimize your downtime while protecting your assets. In order to provide the most efficient and safe explosion protection for your industrial and commercial applications, Hiller provides an outstanding program for inspection, service, maintenance and repair for your facilities.

Our team of specialists will ensure that your systems are kept in top condition in order to protect your people, equipment and property. We are a distributor of IEP Technologies products and offer a full array of systems to detect and control explosions. We also possess the necessary licenses from the ATF and State of Louisiana for Explosives to allow us to store, deliver and install explosives, which activate the suppression systems.

Equipment at Risk for Explosion

- ▶ Cyclone Separators
- ▶ Dust Collectors
- ▶ Flash Dryers
- ▶ Fluid Bed Dryers
- ▶ Grain Bucket Elevators
- ▶ Pneumatic Conveying
- ▶ Process Isolation
- ▶ Mills & Pulverizers
- ▶ Spray Dryers

Industries at Risk for Explosion

- ▶ Aerosols and Vapors
- ▶ Chemicals
- ▶ Energy and Power
- ▶ Food & Grain
- ▶ Plastics
- ▶ Pharmaceuticals
- ▶ Wood & Paper
- ▶ Powdered Metals
- ▶ Paint & Pigments

The Risks

- ▶ \$3.4 million is the average loss per explosion incident in a year.
- ▶ Explosions account for almost 40 percent of all loss while only accounting for less than 4% of all interruptions.
- ▶ Total losses from explosions are four times the amount of losses from all other causes, including fire.

Detection and Control Systems

IEP detection and control systems are programmed to detect problems that could lead to explosions and then to activate suppression or isolation systems in the blink of an eye. This rapid detection and response time prevents damage to your equipment, facilities and personnel.

Suppression Systems

IEP suppression systems activate in just milliseconds. They are able to detect when conditions are building during an explosion and discharge the explosion suppressant before a destructive pressure develops. The suppressant removes heat and lowers the temperature below that needed to support combustion.

Venting Systems

A vent system allows explosive pressure to vent into a safe area. Affordable and effective, these vents are easy to install and come in various sizes, designs and materials. In areas where there is no safe, outside location to vent, we offer flameless vents, which staunch the flame front and relieve the pressure safely.

Isolation Systems

Isolation systems are comprised of two types of systems: chemical and mechanical. For the mechanical system, we can install active or passive products to create barriers to isolate the event. For the chemical system, an explosion suppressant is discharged into a pipeline or duct stopping the flame from burning connected equipment.

