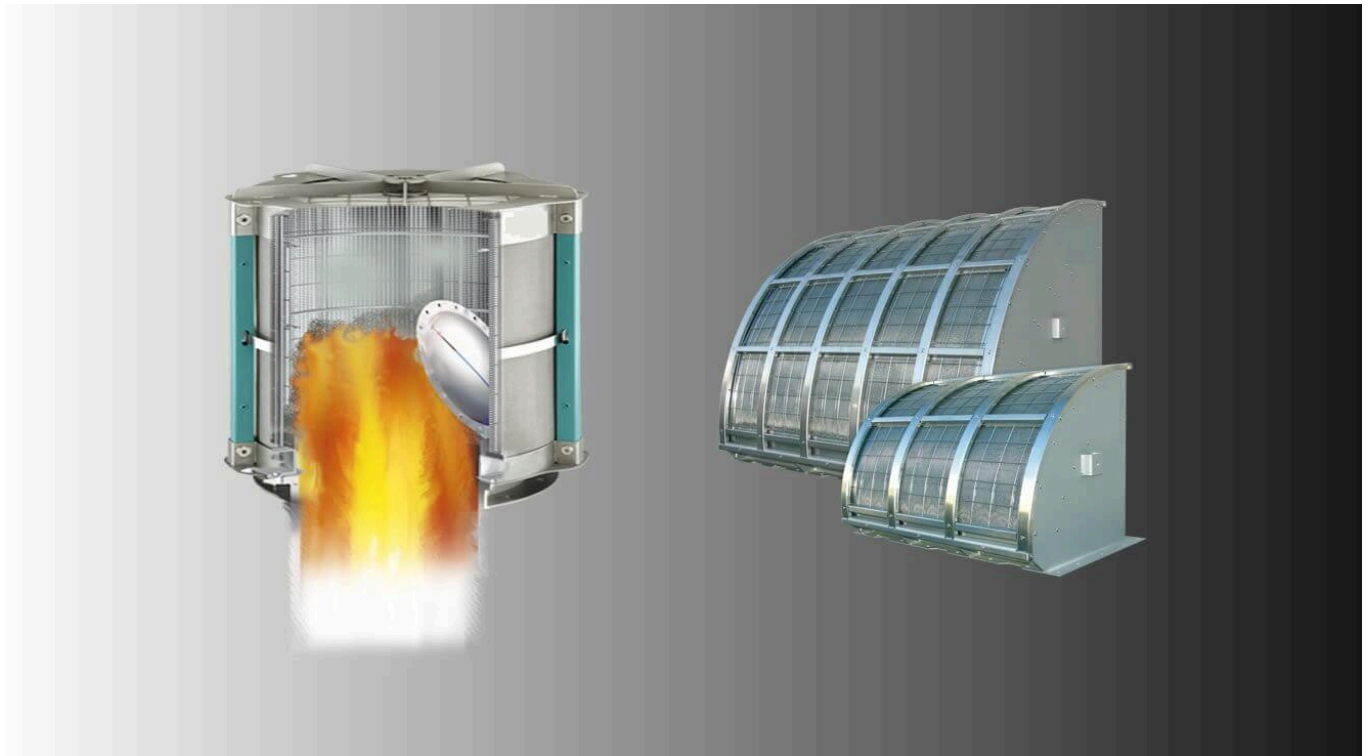


Explosion Protection Systems



Explosion Safety – Spark Detection

Especially in industrial facilities, dust explosions are the factors that carry the greatest risk along with fire.

The food, chipboard, and paper industries, as well as the automotive, chemical and pharmaceutical sectors, are sectors where the risk of explosion is at a maximum and where possible explosions can lead to major losses in the facilities if precautions are not taken.

It is inevitable to minimize the explosion risks in the industry and to take precautions in this context. In this context, Tekniku attaches great importance to the integration of explosion safety systems into the industry and in this context, we provide our customers with first-class high-quality products in line with international standards.

With the long years of experience of the companies we distribute; systems and equipment we serve in the field of explosion safety;

- Explosion Damping Systems
- Explosion Covers
- Flameless Blast Caps

- Explosion Isolation Systems – Explosion isolation
- Spark Detection Systems – Spark Extinguishing Systems

Explosion damping systems are systems that chemically dampen the explosion with the help of the sensor and extinguishing elements in the system at the moment of explosion.

Explosion caps are equipment used to provide the evacuation of expanding gases in a volume in planned ways.

If these covers are located in a dangerous and human place, it is essential to use flame-retardant explosion covers.

Therefore, they are explosion evacuation systems equipment.

With the advantage of having a wide range of products in various types and sizes, various solutions can be offered for many volumes.

Explosion isolation systems are systems that prevent an explosion from moving to another part of the process with pneumatic and mechanical equipment.

Each of the systems that can be examined under 3 headings as explosion damping systems, explosion evacuation systems and explosion isolation systems are of great importance for explosion safety and are among the indispensable systems for the safety of industrial facilities.

In addition, spark detectors, spark extinguishing systems and spark detection systems are used to detect and suppress sparks and high energy, charged particles that may occur in the relevant channels.

Main sectors where systems are needed;

- Food
- Wood and paper
- Iron Steel
- Oil and gas
- Chemistry Petrochemistry
- Energy

As Tekniku, all operations related to the explosion safety systems that we engineer, install and commission are carried out together with Tekniku and manufacturer company personnel. After the installation, the necessary trainings are given to the end user for the operation phase through the manufacturer and Tekniku personnel. All maintenance of the systems are carried out periodically by Tekniku.