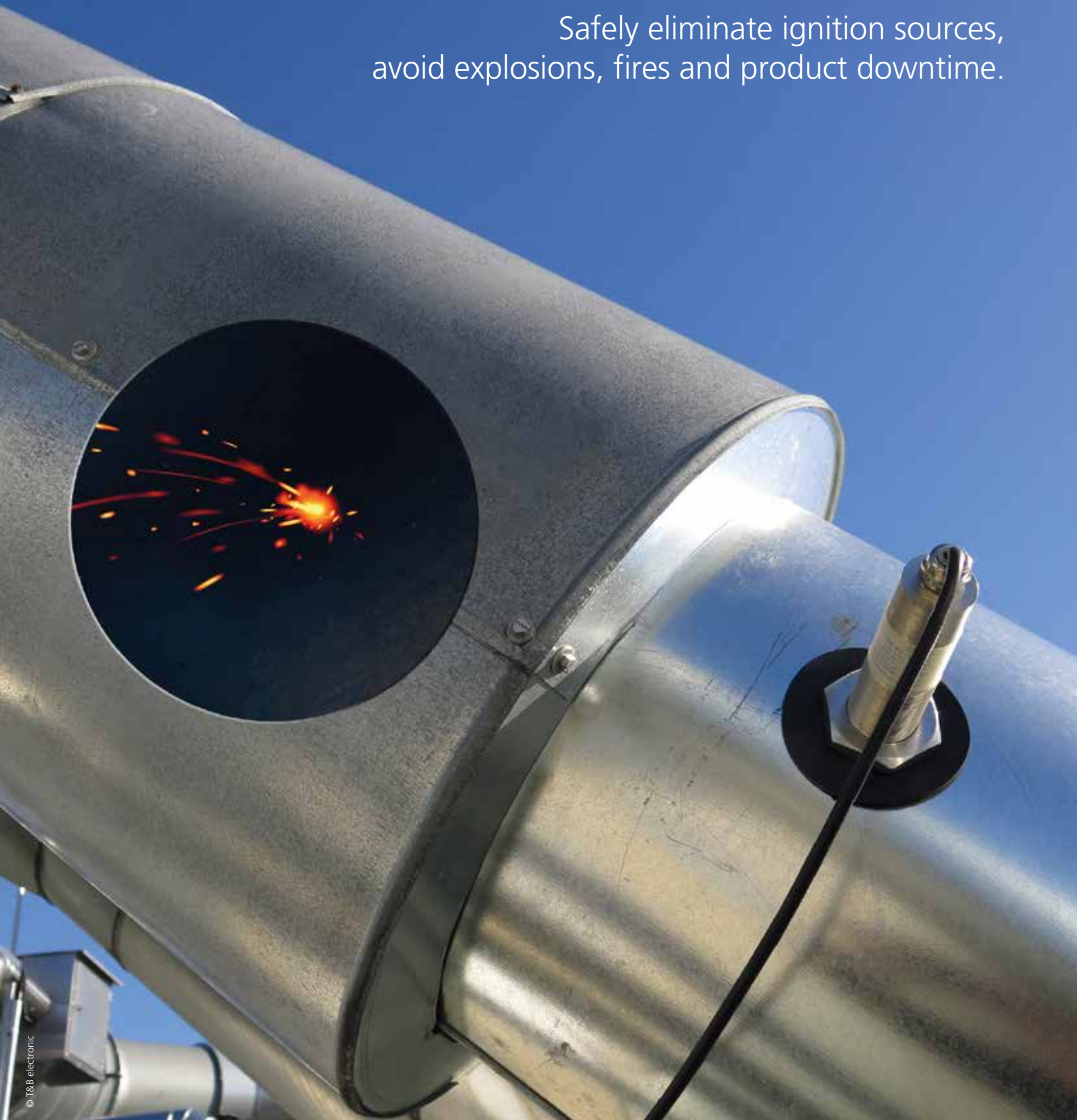


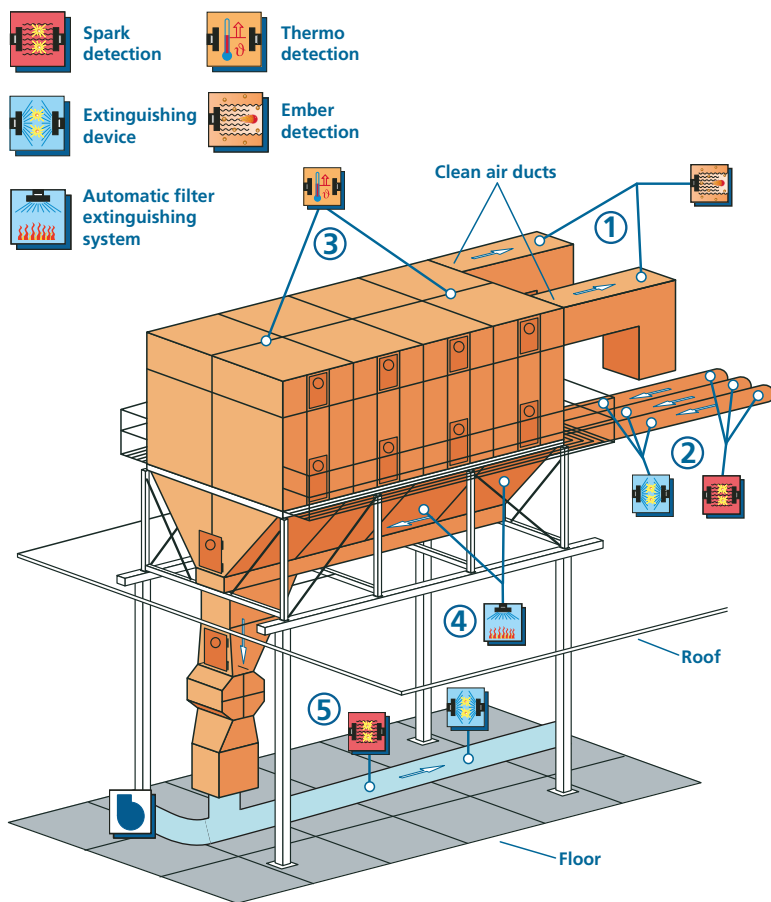
Spark Extinguishing Systems

Safely eliminate ignition sources,
avoid explosions, fires and product downtime.



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Application example



1. Ember detection in return air duct
2. Spark detection and extinguishing in suction pipe
3. Thermodetection in upper area of the filter
4. Automatic filter extinguishing system
5. Spark detection and extinguishing in the outlet

Preventiv Fire Protection for following plant areas:

Filter systems
Cyclones
Silos
Shredders
Presses

Coolers
Conveyors
Mills
Sifters
and many more

Since 1984, more than 30,000 plant areas worldwide have been protected by T & B spark extinguishing systems.

Fires or explosions may occur everywhere combustible materials are transported by mechanical or pneumatic means.

Here, automatic electronic spark extinguishing systems can be put to effective use.

Examples of areas where spark extinguishing systems are used:

Animal feed industry
Battery production
Bitumen processing
Chemical industry
Chocolate industry
Coal dust extraction facilities
Coffee roasters
Cotton wool industry
Flour mills
Food industry
Glass industry
Leather industry
Metal processing industry
Milk powder drying
Paper mills
Pelleting plants
Power stations
Pulp industry
Recycling industry
Rubber industry
Sugar industry
Synthetic materials industry
Textile industry
Tire industry
Tobacco industry
Waste incineration plants
Wood flour industry

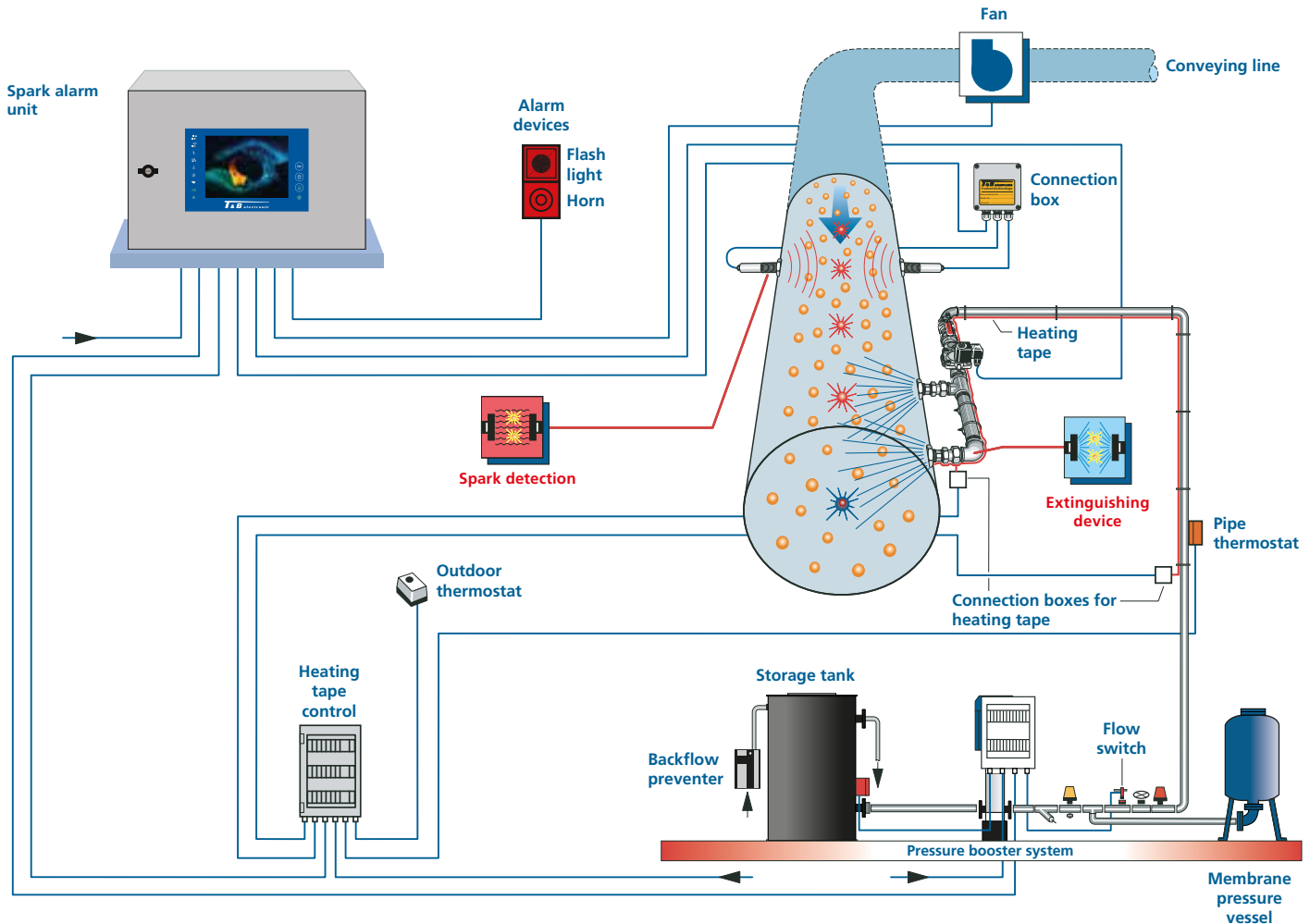
Only VdS certified systems reflect the state of the art.

Fire protection systems can only be state-of-the-art and thus offer the greatest possible protection if the effectiveness of the systems has been proven by an independent notified body. Namely comprehensible and reproducible fire tests according to Europe-wide standards are necessary. In Europe, the VdS and FM fire protection system certification is the most respected certificate, whereby the number of VdS-certified systems in Europe is predominant. VdS is one of the most important independent testing institutes with the focus on fire protection. The institute checks all components of a fire protection system in its own laboratories within the framework of the so-called system recognition

and ensures through regular inspections of the manufacturing facility that the fire protection systems are always manufactured and tested to the same high standards. Only approved systems ensure that state-of-the-art technology is produced with consistently high quality standards. In addition, a VdS-approved installer must prove that they have designed and installed a large number of extinguishing systems in accordance with the VdS guidelines every year. They must prove that the extinguishing systems have been installed without any objections from the VdS authorised experts.

Functionality

Installation diagram for a spark extinguishing system



In many manufacturing industries, the processing of various materials can lead to the formation of glowing, hot particles or sparks. Particularly vulnerable areas are amongst others, shredders, pellet presses, grinders, sanding machines, saws, dryers and many more. By the mechanical crushing and / or the large heat formation with these processes, the main risk lies in particular in mechanical crushing. Often, these machines are pneumatically exhausted via filters or cyclones. In order to prevent fires and explosions, spark extinguishing systems must be used. These systems reliably detect both sparks and smoldering particles and efficiently extinguish the affected particles with a fine water spray without affecting the production process.

Do not risk insurance coverage

Installing a certified VdS spark extinguishing system ensures that the system complies the current state of the art and the optimal quality standard. Nowadays, the insurance cover is secured only by a VdS-compliant spark extinguishing system.

Fragmented protection concepts and unauthorized fire protection systems are rejected by most insurers, which is tantamount to rejecting the insurance cover.

FIRE PROTECTION

Made in Germany

Our Products – Your Safety



VdS-certified water spray extinguishing systems

Water spray extinguishing systems are used in areas where there is a risk of rapidly spreading fires and act on the object to be protected quickly and extensively with extinguishing water.



Certified early fire detection system

The early fire detection system based on an infrared camera detects fires in the making. We combine detection with our VdS-certified extinguishing system to protect machines, halls or open spaces.



Fire alarm systems (DIN 14675)

Fire alarm systems are permanently installed manual or automatic systems for early fire detection, warning of the persons concerned and rapid transmission of the fire alarm to a service provider.



VdS-certified spark extinguishing system

Fully automatic system that detects the smallest ignition potentials in transport systems and extinguishes them in the range of milliseconds.



Argon extinguishing system (VdS 2380 / 3445)

Fully automatic extinguishing system in which the formation of fire is detected and eliminated by oxygen displacement.



Customer-specific fire protection concepts

As a VdS-approved installer, T&B will work closely with you to create a comprehensive fire protection concept tailored to your requirements.

You have questions or would like to get advice? Just get in touch with us.

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