

## Spark Extinguishing Systems

In the event of an outbreak of fire it is important that the fire service alerted limits the damage as much as possible by rapid and effective fire fighting and quickly extinguish the fire. To this end, the rapid guidance of the fire fighting units to the point of action is necessary.

In pneumatic transportation installations and mechanical conveyers in which flammable materials are transported, fires and explosions in filters can occur through the discharge of sparks. The discharge of sparks is usually caused by the processing machinery, or by contamination of the materials. Stoppages in production, extensive damage to property and the endangering of human life are the result.

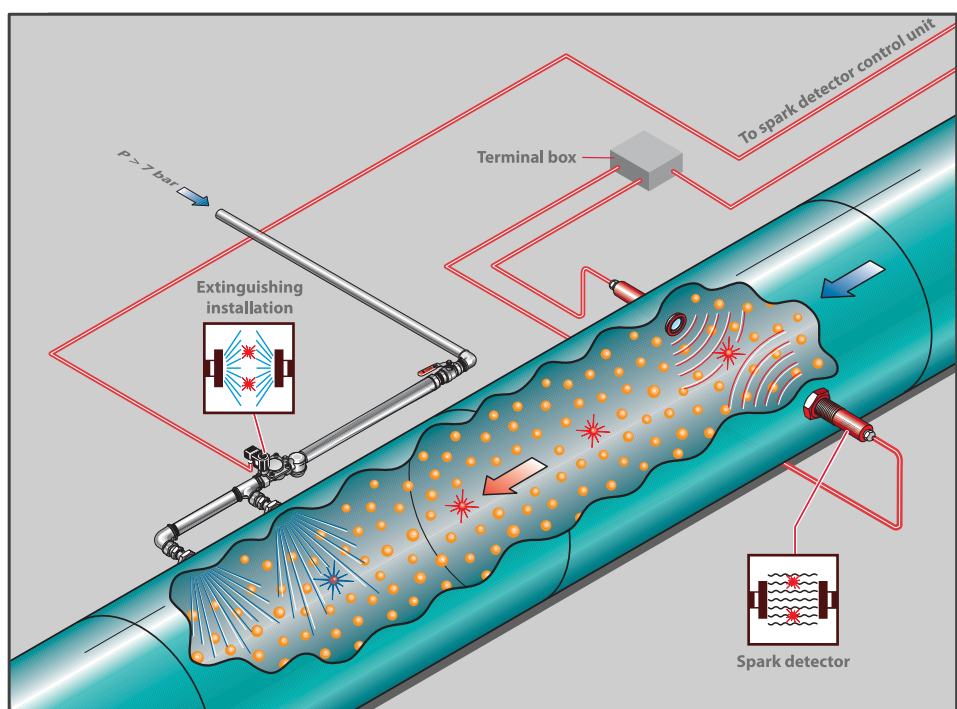
To minimise this risk, spark extinguishers in the transport installations can be installed, which can very effectively detect and immediately extinguish spark discharges.

Extinguishing is maintained until the last spark identified has passed beyond the extinguishing range; the automatic extinguisher then switches itself off. The production process does not have to be stopped during this procedure and the spark extinguishing system remains ready for use after the extinguishing process, so that a new spark discharge can be dealt with immediately.

Should an increase in spark discharges take place within a short space of time, an automatic shut down of the transport installation is recommended to ascertain the fundamental cause of the spark build up.

### Areas of application:

- Timber processing industry
- Sawmills
- Furniture production
- Chipboard production
- Plastics production
- Mills and wholesale bakers
- Tobacco industry
- Waste incineration systems
- Paper factories
- Power Stations



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