



## Fire and Explosion Protection for Pipes

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With the outgoing air ducts often installed at the ceiling of the production hall, they are hardly accessible. Standard fire protection is of no use because the ducts are only cooled from outside. As burning ducts cannot be safely opened, access to the source of the fire and direct extinguishing is impossible. A GreCon spark detection and extinguishment system significantly increases the safety and protection of the production facilities. It detects dangerous ignition sources in time and automatically extinguishes them without interrupting production – and has done so successfully for more than 35 years.

### THE RIGHT SOLUTION

- ✓ a fast, reliable spark extinguishing system which is especially adapted to your production
- ✓ the detection of sparks and glowing particles in the areas at risk
- ✓ protection without interrupting production

# RISKS

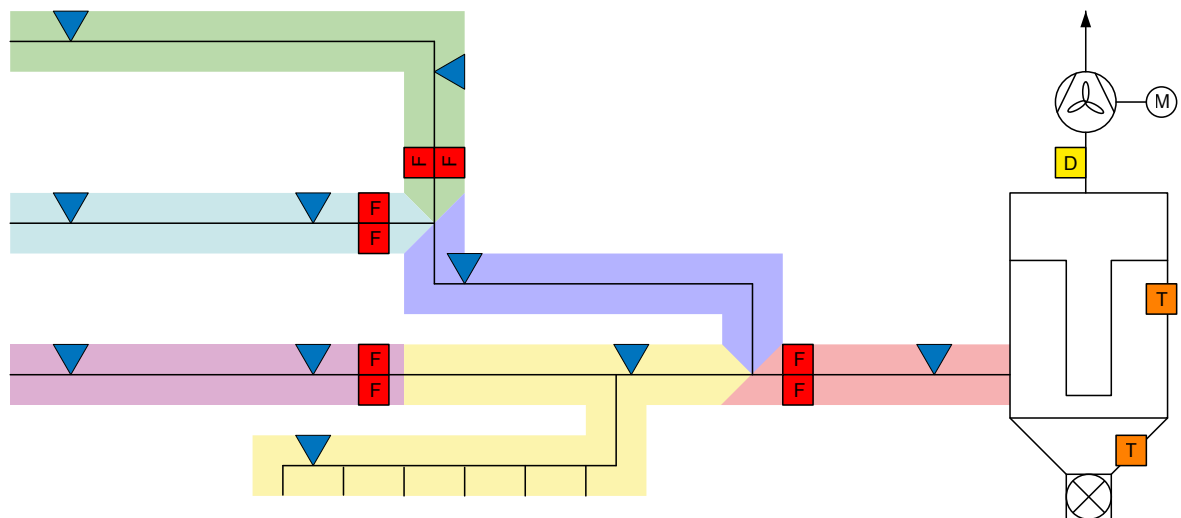
The sources of danger in pipes are manifold. When processing metals, auxiliaries like fats or wax are used. They evaporate upon contact with hot metal and thus reach the outgoing air. They deposit within the exhaust ducts and build up to high fire loads. If sparks or hot particles reach the ducts, embers can form or deposits can be set on fire. Fire in pipes can interrupt production for a long time.

# DANGER ZONES

A pipe fire can cause long production downtimes or totally destroy production facilities. A GreCon spark detection and extinguishment system monitors and protects the following areas at risk

- ✓ Foundries
- ✓ Sand recycling
- ✓ Hardening shops
- ✓ Forges
- ✓ Welding lines
- ✓ Extraction of adhesives
- ✓ Machining centres

# DIAGRAM OF PROTECTION CONCEPT



- F** Spark Detector FM
- D** Day Light Spark Detector DLD
- T** Thermo Detector
- ▼ Extinguishing Device

