



SPARK'N'FLAME STOP

**EFFECTIVE ALARM AND SPARK EXTINGUISHING
IN INDUSTRIES ALL OVER THE WORLD**



D E D I C A T E D T O C L E A N A I R



Fires and explosions may have severe consequences

A fire or explosion caused by embers and sparks in the production facilities may have severe consequences for a company.

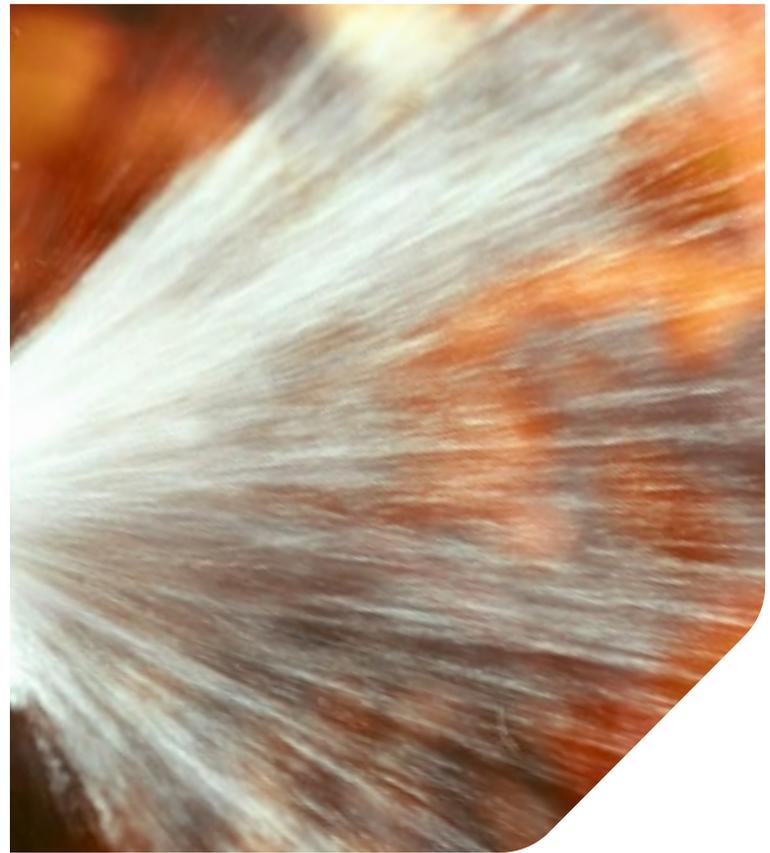
The employees can be injured, expensive production plants and buildings can be damaged and it can be necessary with long-term production downtime which, among other things, can mean lost market shares and customers.

Only some few embers can lead to an explosion. Therefore, it is of very high safety significance to have an effective alarm and spark extinguishing system.

Spark'n'Flame Stop effectively detects embers, sparks and flames in all types of industrial facilities, so action can be taken in time and possible dust fires and explosions can be stopped without production downtime.



Minimize the risk of fires and dust explosions with a Spark'n'Flame Stop system from JKF and avoid the serious consequences.



How Spark'n'Flame Stop works

Spark'n'Flame Stop uses infrared detectors to locate potential ignition sources. Depending on the chosen solution, these detectors can operate in temperatures up to 250° C.

Two types of detectors are used. A SDN detector which is designed to detect sparks in total darkness and a SDD detector designed for use in areas with daylight or electric light.

Both types of detectors are easily installed outside on the fan duct using an adapter. The adapter has a protective pane of sapphire glass through which the detector observes the process. The control unit is activated through an electric signal which reacts with the speed of light.

Alarm management

If activities are registered as regards sparks, flames or increased temperatures, there are several possible states to handle these:

1. Alarm step 1. Automatic activation of extinguishing or other handling of the ignition source. The production can proceed unimpeded.
2. Alarm step 2. Automatic activation of shut down of selected processes in the production. It is customer-specific when this function will come into force (0 – 55 sec.).
3. Signalling with horn and flashing light is always included.



Easy and simple installation

All Spark'n'Flame Stop components are mounted directly on site: Detectors, control units, alarm modules and 7-16 bar water-booster-system for effective extinguishing and turn off automatics.

The flexible and modular design helps to minimize the installation costs – also when the system shall be extended. Each control unit can control and monitor up to four spark detectors and two automatic switch modules at the same time.

Also safe when freezing and in case of power failure

Spark'n'Flame Stop is fitted with a battery which ensures that the system still works in case of power failure.

If the system shall function in areas where frosts can occur, it is possible, as standard and without extra costs, to observe the heating cables. If these are turned off an alarm will be activated.



Individual solution for a wide range of industries

Spark'n'Flame Stop consists of a number of detectors, control units, alarm modules, pump systems or 7-16 bar water-boost-system and turn off automatics.

It is very individual what is needed in each production. It depends on a wide range of specific factors and we would very much like to review and illustrate your needs.

In this way we will be able to ensure that Spark'n'Flame Stop will be tailor-made to each individual production and company.

Spark'n'Flame Stop can be used by a wide range of businesses within:

- Woodworking industry
- Agriculture industry
- Metal industry
- Paper industry
- Plastic industry
- Food industry
- Textile industry
- Medical industry



THE WAY TO CLEAN AIR



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