



Fire detection system

Fire detection and CO₂ extinguishing system

The CO₂ extinguishing system automatically detects a fire and is able to suppress and thereby reduce potential damages to an acceptable level.

The detector continuously monitors and detects occurrence of fire in the protected equipment and transmits information to the control unit.

Detection of fire can be based on optical or thermal measurements which are the natural attributes of a fire.

The fire detection and CO₂ extinguishing system is specially designed for powder coating plants.



Functions

A rapid acting flame detector monitors the spraying area inside the powder application booth, for ignitions.

Upon detection of a potential risk, the system prevents an incident by releasing CO₂ into the ductwork, and to complete a full system shutdown.

The system is designed specifically for powder coating plants, and is compliant with "EN1291", "ATEX" and "Cat 3"

To ensure clear vision, the fire detectors self-monitors during production.

The integral "Air Wash" prevents powder from accumulating on the lens.

Audible alarm sounds when the system detects faults or releases CO₂.



*Optical detector.
A sensor continuously monitoring and detecting occurrence of fire. Is installed in the booth or tunnel.*



*Control unit.
Evaluates information from the detector,
and is installed within reach of the operators
and beyond hazard zones.*



HIGHLIGHTS

- Immediate response to detected fire
- Optical or thermal measurements
- Clear vision by detector self monitoring
- Automatic cleaning of lenses

