

Fixed dry aerosol fire extinguishing components - K23001



K23001 Product Certification Scheme for nonpressurized condensed aerosol generators and components used in fixed fire extinguishing systems' contains all relevant regulations on the basis of which a Kiwa product certificate for stationary dry aerosols fire extinguishing components can be issued. We refer to BRL K23003 for proces certification.

Stationary dry aerosols fire extinguishing components are designed for use as part of a fire extinguishing system. The fire extinguishing system shall activate these fire extinguishing components.

The fire extinguishing component consists of a container filled with a dry solid extinguishing agent, which after activation is discharged as a dry aerosol to extinguish the fire.

The fire extinguishing component shall be suitable to extinguishing following EN 2 fire classes:

- Extinguishing of class A fires (solids)
- Extinguishing of class B fires (liquids or liquefying substances)
- Extinguishing of class C fires (gases)
- Extinguishing of class F fires (boiling oils and fat fires)

Applicable standards in this certification scheme K23001 are:

- EN15726-1 Ventilation for buildings - Air diffusion - Measurements in the occupied zone of air-conditioned/ventilated rooms to evaluate thermal and acoustic conditions
- ISO 15779 Condensed aerosol fire extinguishing systems - Requirements and test methods for components and system design, installation and maintenance - General requirements

Explanation:

Melting plastics are defined as class A fires.

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Fires caused by electrical short circuits will lead to class A, B and C fires.

Who for?

Fire detection companies, system administrators.

Process steps

'K23001 Product Certification Scheme for nonpressurized condensed aerosol generators and components used in fixed fire extinguishing systems' outlines performance criteria for system components and requirements for test methods.

In addition, the K23001 outlines requirements for the company's quality management system. This includes requirements for internal quality control processes, procedures, work instructions and personnel.

Certification process

Certification of your company based on 'K23001' starts with an application, after which you receive a fee proposal. You can enter into a certification agreement with Kiwa on the basis of this fee proposal. Kiwa assesses whether the criteria for certification are met based on an independent acceptance audit. Certification will follow upon a positive audit outcome. However, if non-compliances are identified, you shall rectify these first.

Annual inspections are conducted to establish that the certified processes and completes works continue to comply with the applicable requirements in order to maintain your certification based on 'K23001 Product Certification Scheme for nonpressurized condensed aerosol generators and components used in fixed fire extinguishing systems' after initial certification.

Certified companies

For certified companies, click [here](#).

Why Kiwa NCP?

Kiwa NCP is a leading certification body for the certification (accreditation) of fire protection and security companies, also called Fire Safety & Security (FSS).

Kiwa NCP is an independent Certification Body that determines whether a company meets the quality requirements. A Kiwa NCP Certificate provides the occupant with a well-founded confidence in the quality of the certified company and its services, such as testing, commissioning and maintaining systems.

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