

K23003 Fire Extinguishing Systems based on Dry Aerosol



BRL K23003-02 'Process Certification Scheme for fixed fireextinguishing systems based on nonpressurized condensed aerosol generators' is intended for application in design, including layout, installation and commissioning of a dry aerosol fire extinguishing system protection for equipment and enclosures. This certification scheme includes assessment of preconditions for an effective deployment applicable to the fire extinguishing system. The process also includes servicing of dry aerosol fire extinguishing systems.

For onshore application in buildings are the standards EN15276-1, EN15276-2, ISO15779 en NFPA 2010 the minimal requirements in this certification guideline.

Company certification based on the 'Assessment guideline for the Kiwa product certificate for the design, installation, commissioning and servicing of dry aerosol fire extinguishing systems' entitles a company to issue a quality declaration/product certificate as soon as the fire extinguishing system complies.

Who for?

Fire detection companies, System administrators.

Process steps

BRL K23003-02 outlines the requirements applicable to the final product: as follows

- **Functional requirements**
Essential requirements that must be imposed on a product for safe use by the end user and that are functional for the purpose for which the product is intended.
- **Performance requirements**
Actual requirements specified in sizes or numbers that focus on certain (functional) properties of a building section component (fire extinguishing system and preconditions) that contains a target that can be unambiguously calculated or measured.
- **Product requirements**
Actual requirements specified in sizes or numbers that focus on certain (identifiable) properties of products applied a building

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section (fire extinguishing system and preconditions) that contain a target that can be unambiguously calculated or measured.

- Process requirements

Actual requirements for the process, if necessary with additional conditions and preconditions under which the process may or must take place.

In addition, the BRL K23003-02 stipulates requirements to be imposed on the company. This could include requirements on the quality management system, personnel and organization.

Certification process

Certification of your company based on BRL K23003-02 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. An independent acceptance assessment will then start. 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.

After the initial certification, annual inspections are conducted to establish that the certified processes and completed works continue to comply with the applicable requirements to maintain your certification based on the 'product certificate for the design, installation, commissioning and servicing of dry aerosol fire extinguishing systems'.

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.