



Process Certificate K68761/01



Issued 2017-07-05
Valid until 2018-07-05
Replaces n.a.

Page 1 of 2

Fire Safety Systems based on Watermist

STATEMENT BY KIWA

Based on pre-certification tests as well as periodic inspections by Kiwa, the process referred to in this certificate and marked with the Kiwa-mark as indicated under 'Marking', supplied by

Fire Technology B.V.

may, on delivery, be relied upon to comply with the Kiwa certification scheme BRL-K21020 "Kiwa process certificate for the design, installation, commissioning and service of fire safety systems based on watermist installations".

- **Basic design - designer program of requirements**
- **Detailed design – installation design**
- **Installation and delivery**
- **Maintenance**

Luc Leroy
Kiwa

CERTIFICATE

Kiwa Nederland B.V.

Nevelgaarde 50
3436 ZZ Nieuwegein
PO box 510
3430 AM Nieuwegein
The Netherlands

Tel. +31 88 9983055
Internet www.kiwafss.nl

Company

Fire Technology B.V.
Kerkenbos 10-135
6546 BJ Nijmegen
The Netherlands
www.firetechnology.nl
Phone +31 (0)24-3601462
Fax +31 (0)24-3608588

Certification process
for initial and periodic
evaluation of:

- **Quality System**
- **Process**

Fire Safety Systems based on Watermist

TECHNINICAL SPECIFICATION

General description of the process

This process specifies requirements and gives information on

- Basic design - designer Program of Requirements;
- Detailed design – installation design;
- Installation and delivery;
- Maintenance,

and gives criteria for the acceptance of fixed watermist systems for specific hazards and provides fire test protocols for a variety of hazard groups.

The outcome of the process shall be an installation with a scope for:

- Fire extinguishing;
- Fire suppression;
- Fire control.

The watermist installation shall have a defined application such as:

- Local Application Systems;
- Total Compartment Application Systems / Volume protection;
- Zoned Application Systems.

CEN/TS 14972 “Fixed firefighting systems - Watermist systems - Design and installation” and NFPA 750 “Standard of Water Mist Fire Protection Systems” are the most important technical standards on which this process is based.

Process specification

Part of the process is that is decided which type of watermist installation is suitable for the desired scope and application.

The basic design shall be made based on the communication with the owner / user of the installation.

Risk Assessment and Evaluation

The Risk Assessment and Evaluation shall determine if the watermist installation is completely or partly suitable for the requested (fire) safety scope.

The possible residual risk shall be determined for the intended scope and application.

In case a scope and application is only partly suitable, the level of residual risk shall be quantified.

The owner / user shall be informed explicit about this residual risk and shall be made aware about this residual risk.

Program of requirements

In the Program of Requirements, the basic design outlines shall be clearly described. The outcome of the Risk Assessment and Evaluation shall be a part of the Program of requirements.

By validation the program of requirements, the possible residual risk is accepted.

This possible residual risk shall be declared in the commissioning report.

Marking

The Risk Assessment and Evaluation and Program of Requirements made according to Kiwa certification scheme BRL-K21020 shall have a clear reference to this certification scheme.

RECOMMENDATIONS FOR CUSTOMERS:

1. Check at the time of delivery whether:
 - 1.1 The supplier has delivered in accordance with the agreement;
 - 1.2 The mark and the marking method are correct;
2. If you should reject a product on the basis of the above, please contact:
 - 2.1 Fire Technology B.V.
and, if necessary,
 - 2.2 Kiwa N.V.