

Irish Standard I.S. EN 17450-1:2021

Fixed firefighting systems - Water mist components - Part 1: Product characteristics and test methods for strainer and filter components

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I.S. EN 17450-1:2021

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National Foreword

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English Version

Fixed firefighting systems - Water mist components - Part 1: Product characteristics and test methods for strainer and filter components

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EN 17450-1:2021 (E)

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European foreword

This document (EN 17450-1:2021) has been prepared by Technical Committee CEN/TC 191 "Fixed firefighting systems", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2021, and conflicting national standards shall be withdrawn at the latest by August 2021.

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EN 17450-1:2021 (E)

1 Scope

This document specifies product characteristics and test methods for strainer and filter components for water supply connections and pipe work in water mist systems. This document is applicable to strainers and filters with filtration grades up to 6 mm.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 14972-1, Fixed firefighting systems - Water mist systems - Part 1: Design, installation, inspection and maintenance

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 14972-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at https://www.iso.org/obp
- IEC Electropedia: available at http://www.electropedia.org/

3.1

strainer

filtration equipment to retain larger particles with dimensions larger than 1 mm

3.2

filter

filtration equipment to retain small particles with dimensions of 1 mm or smaller

3.3

filter element

element inside a strainer or filter that collects the particles, e.g. a mesh

3.4

nominal cross section area

nominal cross section size

calculated cross section area on basis of the nominal diameter

3.5

pressure loss

differential pressure between inlet and outlet of the filter

3.6

grade of filtration

mesh size or the smallest opening of the filter/strainer



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