



BSI Standards Publication

Fixed firefighting systems — Gas extinguishing systems

Part 4: Physical properties and system design of gas extinguishing systems for HFC 125 extinguishant

National foreword

This British Standard is the UK implementation of EN 15004-4:2020. It supersedes BS EN 15004-4:2008, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FSH/18/6, Gaseous Extinguishing Media and Systems.

A list of organizations represented on this committee can be obtained on request to its committee manager.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Fixed firefighting systems - Gas extinguishing systems -
Part 4: Physical properties and system design of gas
extinguishing systems for HFC 125 extinguishant (ISO
14520-8:2019, modified)

Installations fixes de lutte contre l'incendie -
Installations d'extinction à gaz - Partie 4 : Propriétés
physiques et conception des systèmes pour agent
extincteur HFC 125 (ISO 14520-8:2019, modifiée)

Ortsfeste Brandbekämpfungsanlagen - Löschanlagen
mit gasförmigen Löschmitteln - Teil 4: Physikalische
Eigenschaften und Anlagenauslegung für
Feuerlöschmittel HFC 125 (ISO 14520-8:2019,
modifiziert)

This European Standard was approved by CEN on 17 August 2020.

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European foreword

This document (EN 15004-4:2020) 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of an identical text or by endorsement, at the latest by April 2021, and conflicting national standards shall be withdrawn at the latest by April 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15004-4:2008.

The main changes in EN 15004-4:2020 compared to EN 15004-4:2008 are the following:

- European foreword: Part 3 was removed from the list;
- Foreword of ISO 14520-8 was removed;
- 6.4, Other fill density and superpressurization levels: new sub-clause added;
- Clause 7, Environmental properties: new clause added.

The text of the International Standard ISO 14520-8:2019 from Technical Committee ISO/TC 21 “Equipment for fire protection and firefighting” of the International Organization for Standardization (ISO) has been taken over as a European Standard by Technical Committee CEN/TC 191 “Fixed firefighting systems”, the secretariat of which is held by BSI.

EN 15004 will consist of the following parts, under the general title *Fixed firefighting systems — Gas extinguishing systems*:

- Part 1: *Design, installation and maintenance*;
- Part 2: *Physical properties and system design of gas extinguishing systems for FK-5-1-12 extinguishant*;
- Part 4: *Physical properties and system design of gas extinguishing systems for HFC 125 extinguishant*;
- Part 5: *Physical properties and system design of gas extinguishing systems for HFC 227ea extinguishant*;
- Part 6: *Physical properties and system design of gas extinguishing systems for HFC 23 extinguishant*;
- Part 7: *Physical properties and system design of gas extinguishing systems for IG-01 extinguishant*;
- Part 8: *Physical properties and system design of gas extinguishing systems for IG-100 extinguishant*;
- Part 9: *Physical properties and system design of gas extinguishing systems for IG-55 extinguishant*;
- Part 10: *Physical properties and system design of gas extinguishing systems for IG-541 extinguishant*.