

Fixed firefighting systems — Gas extinguishing systems —

**Part 5: Physical properties and system
design of gas extinguishing systems for
HFC 227ea extinguishant**

ICS 13.220.20

National foreword

This British Standard is the UK implementation of EN 15004-5:2008. It supersedes BS ISO 14520-9:2006 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee FSH/18, Fixed firefighting systems, to Subcommittee FSH/18/6, Gaseous extinguishing media and systems.

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

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

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

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Physical properties and system design of gas extinguishing
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modified)**

Installations fixes de lutte contre l'incendie - Installations
d'extinction à gaz - Partie 5 : Propriétés physiques et
conception des systèmes pour agent extincteur HFC 227ea
(ISO 14520-9:2006, modifiée)

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Eigenschaften und Anlagenauslegung für Feuerlöschmittel
HFC 227ea (ISO 14520-9:2006, modifiziert)

This European Standard was approved by CEN on 26 April 2008.

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Contents

Page

Foreword.....	3
Foreword of ISO 14520-9:2006	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Characteristics and uses	6
4.1 General.....	6
4.2 Use of HFC 227ea systems	7
5 Safety of personnel.....	9
6 System design.....	10
6.1 Fill density	10
6.2 Superpressurization	11
6.3 Extinguishant quantity	11

Foreword

This document (EN 15004-5:2008) 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of an identical text or by endorsement, at the latest by December 2008, and conflicting national standards shall be withdrawn at the latest by December 2008.

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

The text of the International Standard ISO 14520-9:2006 from Technical Committee ISO/TC 21 "Equipment for fire protection and fire fighting" 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, with common modifications which are indicated by a straight line in the margin of the text.

This European Standard will consist of the following parts, under the general title *Fixed firefighting systems – Gas extinguishing systems*:

- *Part 1: Design, installation and maintenance (ISO 14520-1, modified)*
- *Part 2: Physical properties and system design of gas extinguishing systems for FK-5-1-12 extinguishant (ISO 14520-5, modified)*
- *Part 3: Physical properties and system design of gas extinguishing systems for HCFC Blend A extinguishant (ISO 14520-6, modified)*
- *Part 4: Physical properties and system design of gas extinguishing systems for HFC 125 extinguishant (ISO 14520-8, modified)*
- *Part 5: Physical properties and system design of gas extinguishing systems for HFC 227ea extinguishant (ISO 14520-9, modified)*
- *Part 6: Physical properties and system design of gas extinguishing systems for HFC 23 extinguishant (ISO 14520-10, modified)*
- *Part 7: Physical properties and system design of gas extinguishing systems for IG-01 extinguishant (ISO 14520-12, modified)*
- *Part 8: Physical properties and system design of gas extinguishing systems for IG-100 extinguishant (ISO 14520-13, modified)*
- *Part 9: Physical properties and system design of gas extinguishing systems for IG-55 extinguishant (ISO 14520-14, modified)*
- *Part 10: Physical properties and system design of gas extinguishing systems for IG-541 extinguishant (ISO 14520-15, modified)*

The International Standards ISO 14520-2 and ISO 14520-11, which dealt with CF₃I and HFC 236fa extinguishants, respectively, have not been implemented by CEN, as CF₃I extinguishant is only valid for local