

Fixed firefighting systems – Components for gas extinguishing systems —

Part 7: Requirements and test methods for nozzles for CO₂ systems

This European Standard EN 12094-7:2000, with the incorporation of Amendment A1:2005, has the status of a British Standard

ICS 13.220.10;13.220.20

National foreword

This British Standard is the official English language version of EN 12094-7:2000, including amendment A1:2005.

This European Standard is the subject to transitional arrangements agreed under a Commission mandate which is intended to lead to CE marking in support of the Construction Products Directive. In order to allow for any changes in national regulations, the Member States have agreed a transition period of 21 months before CE marking becomes effective.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment 1:2005 is indicated by **A1** **A1**.

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, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 17, and a back cover.

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English version

**Fixed firefighting systems — Components for gas extinguishing
systems — Part 7: Requirements and test methods for nozzles
for CO₂ systems**
(includes amendment A1:2005)

Installations fixes de lutte contre l'incendie — Eléments
constitutifs des installations d'extinction à gaz — Partie 7:
Exigences et méthodes d'essai pour les diffuseurs de
systèmes à CO₂
(inclut l'amendement A1:2005)

Ortsfeste Brandbekämpfungsanlagen — Bauteile für
Löschanlagen mit gasförmigen Löschmitteln — Teil 7:
Anforderungen und Prüfverfahren für Düsen für CO₂-
Anlagen
(enthält Änderung A1:2005)

This European Standard was approved by CEN on 18 November 2000; amendment A1:2005 was approved by CEN on 9 December 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This European Standard 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 June 2001, and conflicting national standards shall be withdrawn at the latest by September 2002.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 89/106/EEC.

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this standard.

This part of EN 12094 is one of a number of European Standards prepared by CEN/TC 191 covering components for gas extinguishing systems.

They are included in a series of European Standards planned to cover:

- gas extinguishing systems (EN 12094);
- sprinkler systems (EN 12259 and EN 12845);
- powder systems (EN 12416);
- explosion protection systems (EN 26184);
- foam systems (EN 13565);
- hose systems (EN 671);
- smoke and heat control systems (EN 12101);
- water spray systems.

The following parts of this European Standard are planned:

- Part 1: Requirements and test methods for electrical automatic control and delay devices;
- Part 2: Requirements and test methods for non-electrical automatic control and delay devices;
- Part 3: Requirements and test methods for manual triggering and stop devices;
- Part 4: Requirements and test methods for high-pressure container valve assemblies and actuators;
- Part 5: Requirements and test methods for selector valves and actuators for CO₂ systems;
- Part 6: Requirements and test methods for non-electrical disable devices for CO₂ systems;
- Part 7: Requirements and test methods for nozzles for CO₂ systems;
- Part 8: Requirements and test methods for flexible connectors for CO₂ systems;
- Part 9: Requirements and test methods for special fire detectors;
- Part 10: Requirements and test methods for pressure gauges and pressure switches;
- Part 11: Requirements and test methods for weighing devices;
- Part 12: Requirements and test methods for alarm devices;
- Part 13: Requirements and test methods for check valves and non-return valves;
- Part 16: Requirements and test methods for odorizing devices for CO₂ low pressure systems;
- Part 17: Requirements and test methods for pipe hangers;
- Part 20: Requirements and test methods for compatibility of components.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Foreword to amendment A1

This document (EN 12094-7:2000/A1:2005) has been prepared by Technical Committee CEN/TC 191 “Fixed firefighting systems”, the secretariat of which is held by BSI.

This Amendment to the European Standard EN 12094-7:2000 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2005, and conflicting national standards shall be withdrawn at the latest by July 2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 89/106/EEC.

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

This Amendment A1 to EN 12094-7 changes the scope, 4.6, 5.4, 5.5 and Annex ZA.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.