Irish Standard
I.S. EN ISO 11114-3:2010

Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 3: Autogenous ignition test for non-metallic materials in oxygen atmosphere (ISO 11114-3:2010)

I.S. EN ISO 11114-3:2010

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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Supersedes EN ISO 11114-3:1997

English Version

Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 3: Autogenous ignition test for non-metallic materials in oxygen atmosphere (ISO 11114-3:2010)

Bouteilles à gaz - Compatibilité des matériaux de bouteilles et de robinets avec les contenus gazeux - Partie 3: Essai d'auto-inflammation des matériaux non métalliques sous atmosphère d'oxygène (ISO 11114-3:2010)

Ortsbewegliche Gasflaschen - Verträglichkeit von Flaschen- und Ventilwerkstoffen mit den in Berührung kommenden Gasen - Teil 3: Prüfung der Selbstentzündungstemperatur von nichtmetallischen Werkstoffen in Sauerstoffatmosphäre (ISO 11114-3:2010)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN ISO 11114-3:2010) has been prepared by Technical Committee ISO/TC 58 "Gas cylinders" in collaboration with Technical Committee CEN/TC 23 “Transportable gas cylinders” 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of an identical text or by endorsement, at the latest by June 2011, and conflicting national standards shall be withdrawn at the latest by June 2011.

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.

This document supersedes EN ISO 11114-3:1997.

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Endorsement notice

The text of ISO 11114-3:2010 has been approved by CEN as a EN ISO 11114-3:2010 without any modification.

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I.S. EN ISO 11114-3:2010

INTERNATIONAL STANDARD

ISO 11114-3

Second edition
2010-12-15

Gas cylinders — Compatibility of cylinder and valve materials with gas contents —

Part 3:
Autogenous ignition test for non-metallic materials in oxygen atmosphere

Bouteilles à gaz — Compatibilité des matériaux de bouteilles et de robinets avec les contenus gazeux —

Partie 3: Essai d'auto-inflammation des matériaux non métalliques sous atmosphère d'oxygène

Reference number
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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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This part of ISO 11114 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*.

This second edition cancels and replaces the first edition (ISO 11114-3:1997). No significant technical changes have been made.

ISO 11114 consists of the following parts, under the general title *Gas cylinders — Compatibility of cylinder and valve materials with gas contents*:

— *Part 1: Metallic materials*

— *Part 2: Non-metallic materials*

— *Part 3: Autogenous ignition test for non-metallic materials in oxygen atmosphere*

— *Part 4: Test methods for selecting metallic materials resistant to hydrogen embrittlement*

Introduction

The following test method is referenced in ISO 11114-1 and ISO 11114-2.

Further information about oxygen compatibility is given in ISO 11114-1 and ISO 11114-2.

Other oxygen compatibility test methods include oxygen index (see ISO 4589-3), heat of combustion and adiabatic compression on materials (see ISO 21010).