



NSAI
Standards

Irish Standard
I.S. EN ISO 11372:2011

Gas cylinders - Acetylene cylinders - Filling conditions and filling inspection (ISO 11372:2011)

I.S. EN ISO 11372:2011

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWIFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces:

EN 12754:2001,
EN 1801:1998

This document is based on:

EN ISO 11372:2011
EN 1801:1998

Published:

1 January, 2012
16 December, 1998

This document was published
under the authority of the NSAI
and comes into effect on:
1 January, 2012

ICS number:

23.020.30

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

Údarás um Chaighdeáin Náisiúnta na hÉireann

English Version

Gas cylinders - Acetylene cylinders - Filling conditions and filling inspection (ISO 11372:2011)

Bouteilles à gaz - Bouteilles d'acétylène - Conditions de remplissage et de contrôle au remplissage (ISO 11372:2011)

Gasflaschen - Acetylenflaschen - Füllbedingungen und Inspektion beim Füllen (ISO 11372:2011)

This European Standard was approved by CEN on 15 October 2011.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....3

Foreword

This document (EN ISO 11372:2011) 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 2012, and conflicting national standards shall be withdrawn at the latest by June 2012.

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 1801:1998, EN 12754:2001.

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

Endorsement notice

The text of ISO 11372:2011 has been approved by CEN as a EN ISO 11372:2011 without any modification.

This page is intentionally left BLANK.

I.S. EN ISO 11372:2011
**INTERNATIONAL
STANDARD**

**ISO
11372**

Third edition
2011-12-15

**Gas cylinders — Acetylene cylinders —
Filling conditions and filling inspection**

*Bouteilles à gaz — Bouteilles d'acétylène — Conditions de remplissage
et de contrôle au remplissage*



Reference number
ISO 11372:2011(E)

© ISO 2011



COPYRIGHT PROTECTED DOCUMENT

© ISO 2011

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
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

Published in Switzerland

Contents

Page

Foreword	iv
Introduction.....	v
1 Scope	1
2 Terms and definitions	1
3 Filling inspection	3
3.1 General	3
3.2 Pre-fill inspection	3
3.3 Solvent content.....	4
3.4 Inspection during filling.....	5
3.5 Post-fill inspection	6
4 Specific filling inspection of solvent-free acetylene cylinders.....	6
4.1 Pre-fill inspection	6
4.2 Post-fill inspection	7
Annex A (informative) Safe operating diagram.....	8
Annex B (normative) Determination of the solvent content in acetylene cylinders	11
Bibliography.....	13

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.

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

ISO 11372 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 4, *Operational requirements for gas cylinders*.

This third edition cancels and replaces the second edition (ISO 11372:2005), with the following main technical revisions:

- a) ISO 11372:2005 was revised taking into account EN 12754 and EN 1801.
- b) The clauses concerning filling inspection were restructured in order to better reflect the actual proceeding of the filling inspection.
- c) A new subclause 3.3 with requirements and information regarding the solvent content was added.
- d) A new Clause 4 concerning the specific filling inspection of solvent-free acetylene cylinders was added.
- e) A new informative Annex A introducing the Safe operating diagram was added in order to improve the understanding of the importance of correct filling conditions for acetylene cylinders.
- f) A new normative Annex B outlining the calculations necessary for determination of the solvent content was added.

Introduction

This International Standard aims at the harmonization of the different operating and filling conditions of individual acetylene cylinders and covers requirements that reflect current practice and experience regarding the inspection at the time of filling.

ISO 11372 is intended to be used under a variety of national regulatory regimes but has been written so that it is suitable for the application of the UN Model Regulations^[1].

Where there is any conflict between this International Standard and any applicable regulation, the regulation always takes precedence.

In International Standards, weight is equivalent to a force, expressed in newtons. However, in common parlance (as used in terms defined in this International Standard), the word “weight” continues to be used to mean “mass”, but this practice is deprecated (see ISO 80000-4).

In this International Standard the unit bar is used, due to its universal use in the field of technical gases. It should, however, be noted that bar is not an SI unit, and that the corresponding SI unit for pressure is pascals (Pa).

Pressure values given in this International Standard are given as gauge pressure (pressure exceeding atmospheric pressure) unless noted otherwise.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-