

Vervangt NEN-EN 12863:1999 2e Ontw.

Nederlandse norm

NEN-EN 12863 (en)

Verplaatsbare gasflessen - Periodieke keuring en onderhoud van gasflessen voor opgelost acetyleen

Transportable gas cylinders - Periodic inspection and maintenance of dissolved acetylene cylinders

ICS 23.020.30
augustus 2002

Als Nederlandse norm is aanvaard:
- EN 12863:2002, IDT

VOORBEELD
Preview

Normcommissie 341 041 "Gasflessen"

Apart from exceptions provided by the law, nothing from this publication may be duplicated and/or published by means of photocopy, microfilm, storage in computer files or otherwise, which also applies to full or partial processing, without the written consent of the Netherlands Standardization Institute.

The Netherlands Standardization Institute shall, with the exclusion of any other beneficiary, collect payments owed by third parties for duplication and/or act in and out of law, where this authority is not transferred or falls by right to the Reproduction Rights Foundation.

Auteursrecht voorbehouden. Behoudens uitzondering door de wet gesteld mag zonder schriftelijke toestemming van het Nederlands Normalisatie-instituut niets uit deze uitgave worden verveelvoudigd en/of openbaar gemaakt door middel van fotokopie, microfilm, opslag in computerbestanden of anderszins, hetgeen ook van toepassing is op gehele of gedeeltelijke bewerking.

Het Nederlands Normalisatie-instituut is met uitsluiting van ieder ander gerechtigd de door derden verschuldigde vergoedingen voor verveelvoudiging te innen en/of daartoe in en buiten rechte op te treden, voor zover deze bevoegdheid niet is overgedragen c.q. rechtens toekomt aan de Stichting Reprorecht.

Although the utmost care has been taken with this publication, errors and omissions cannot be entirely excluded. The Netherlands Standardization Institute and/or the members of the committees therefore accept no liability, not even for direct or indirect damage, occurring due to or in relation with the application of publications issued by the Netherlands Standardization Institute.

Hoewel bij deze uitgave de uiterste zorg is nagestreefd, kunnen fouten en onvolledigheden niet geheel worden uitgesloten. Het Nederlands Normalisatie-instituut en/of de leden van de commissies aanvaarden derhalve geen enkele aansprakelijkheid, ook niet voor directe of indirecte schade, ontstaan door of verband houdend met toepassing van door het Nederlands Normalisatie-instituut gepubliceerde uitgaven.

Nederlands voorwoord

Voor de in deze norm vermelde normatieve verwijzingen bestaan in Nederland de volgende equivalenten:

| <u>vermelde norm</u> | <u>Nederlandse norm</u> | <u>titel</u> |
|----------------------|-------------------------|---|
| EN 1800:1998 | NEN-EN 1800:1999 | Draagbare gasflessen - Acetyleenflessen - Basiseisen en definities (en) |
| EN 1089-1 | NEN-EN 1089-1 | Verplaatsbare gasflessen - Identificatie van gasflessen (met uitzondering van LPG) - Deel 1: Stempelings (en) |
| EN 1089-2 | Ontw. NEN-EN 1089-2 | Verplaatsbare gasflessen - Identificatie van gasflessen (exclusief LPG) - Deel 2: Etiketten (en) |
| EN 1089-3 | NEN-EN 1089-3 | Verplaatsbare gasflessen - Identificatie van gasflessen - Deel 3: Kleurcodering (en) |
| EN ISO 13341 | NEN-EN-ISO 13341 | Verplaatsbare gasflessen - Aansluiting van afsluiters op gasflessen (en) |

Preview

ICS 23.020.30

English version

Transportable gas cylinders - Periodic inspection and maintenance of dissolved acetylene cylinders

Bouteilles à gaz transportables - Contrôle et entretien périodiques des bouteilles d'acétylène dissous

Ortsbewegliche Gasflaschen - Wiederkehrende Prüfung und Instandhaltung von Gasflaschen für gelöstes Acetylen

This European Standard was approved by CEN on 6 March 2002.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

| | page |
|--|-----------|
| Foreword..... | 3 |
| Introduction..... | 4 |
| 1 Scope..... | 5 |
| 2 Normative references..... | 5 |
| 3 Terms and definitions..... | 5 |
| 4 General..... | 6 |
| 5 Preparation of gas cylinder..... | 7 |
| 6 Inspection and maintenance..... | 8 |
| 7 Identification of content..... | 11 |
| 8 Markings..... | 11 |
| 9 Records..... | 11 |
| 10 Disposal of unserviceable cylinders..... | 12 |
| Annex A (informative) Acetylene cylinders manufactured according to National Regulations | 13 |
| Annex B (informative) Procedure to be adopted when a cylinder valve is suspected to be obstructed | 15 |
| Annex C (normative) Description, evaluation of defects and conditions for rejection of acetylene gas cylinders at time of visual inspection | 18 |
| Annex D (informative) Tools and clearance gauges and diagrammatic illustration of the top of (monolithic and non-monolithic) acetylene cylinders | 22 |
| Annex E (informative) Inspection and maintenance of valves and their connections | 24 |
| Bibliography | 25 |

Foreword

This document EN 12863:2002 has been prepared by 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 December 2002, and conflicting national standards shall be withdrawn at the latest by December 2002.

This European Standard has been submitted for reference into the RID and/or in the technical annexes of the ADR. Therefore in this context the standards listed in the normative references and covering basic requirements of the RID/ADR not addressed within the present standard are normative only when the standards themselves are referred to in the RID and/or in the technical annexes of the ADR.

In this standard the annexes A, B, D and E are informative. Annex C is normative.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Preview
CEN
CENELEC

Introduction

Acetylene cylinders differ from all other cylinders transporting compressed or liquefied gases because they contain a porous mass and normally a solvent in which the acetylene stored is dissolved. However, for special applications there exist some acetylene cylinders containing a porous mass and no solvent. For the periodic inspection cycle, due regard should be given to the different types of construction of cylinders and porous masses. The remainder of this document should be read considering these differences.

The primary objective of the presence of the porous mass is to limit an acetylene decomposition, should it be initiated, and thus prevent a cylinder incident. If some porous mass is missing, or if a defect (e.g. a cavity, crack or void of significant size) exists as a result of breakdown or subsidence of the porous mass, then the decomposition could progress at a rate which can cause a violent failure of the cylinder.

Preview

Copyright

1 Scope

This European Standard specifies seamless and welded steel or seamless aluminium alloy cylinders intended for the transport of acetylene in cylinders of water capacity up to 150 l and specifies the requirements for the periodic inspection and maintenance of acetylene cylinders, regardless of the method of manufacture of the shell.

This European Standard also applies to solvent free acetylene cylinders.

This European Standard also specifies a procedure to qualify existing gas cylinders for free movement between member states of the European Union (see annex A).

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 1800:1998, *Transportable gas cylinders — Acetylene cylinders — Basic requirements and definitions.*

EN 1089-1, *Transportable gas cylinders — Gas cylinder identification (excluding LPG) — Part 1: Stampmarking.*

EN 1089-2, *Transportable gas cylinders — Gas cylinder identification (excluding LPG) — Part 2: Precautionary labels.*

EN 1089-3, *Transportable gas cylinders — Cylinder identification — Part 3: Colour coding system.*

EN ISO 13341, *Transportable gas cylinders — Fitting of valves to gas cylinders (ISO 13341:1997).*

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

3.1

cylinder shell

pressure vessel manufactured for storage and transport and suitable for containing a porous mass, a solvent, where relevant, and acetylene

3.2

complete cylinder

cylinder shell ready to be charged with acetylene gas, which is complete with porous mass, solvent where relevant, saturation gas, valve, and any valve protection permanently fixed to the cylinder shell

3.3

porous mass

single or multi-component substance introduced into, or formed in the cylinder shell, in order to fill it and due to its porosity allow the absorption of the solvent and acetylene gas. The porous mass can be of two types

- a) a non-monolithic porous substance consisting of granular, fibrous or similar substances without the addition of any binding materials;

Bestelformulier

Stuur naar:

NEN Standards Products & Services
t.a.v. afdeling Klantenservice
Antwoordnummer 10214
2600 WB Delft



NEN Standards Products & Services

Postbus 5059
2600 GB Delft

Vlinderweg 6
2623 AX Delft

T (015) 2 690 390
F (015) 2 690 271

www.nen.nl/normshop

Ja, ik bestel

__ ex. NEN-EN 12863:2002 en Verplaatsbare gasflessen - Periodieke keuring en onderhoud van gasflessen voor opgelost acetyleen € 62.00

Wilt u deze norm in PDF-formaat? Deze bestelt u eenvoudig via www.nen.nl/normshop

Gratis e-mailnieuwsbrieven

Wilt u op de hoogte blijven van de laatste ontwikkelingen op het gebied van normen, normalisatie en regelgeving? Neem dan een gratis abonnement op een van onze e-mailnieuwsbrieven. www.nen.nl/nieuwsbrieven

Gegevens

Bedrijf / Instelling

T.a.v. O M O V

E-mail

Klantnummer NEN

Uw ordernummer BTW nummer

Postbus / Adres

Postcode Plaats

Telefoon Fax

Factuuradres (indien dit afwijkt van bovenstaand adres)

Postbus / Adres

Postcode Plaats

Datum Handtekening

Retourneren

Fax: 015 2 690 271

E-mail: klantenservice@nen.nl

Post: NEN Standards Products & Services,

t.a.v. afdeling Klantenservice
Antwoordnummer 10214,
2600 WB Delft

(geen postzegel nodig).

Voorwaarden

- De prijzen zijn geldig tot 31 december 2018, tenzij anders aangegeven.
- Alle prijzen zijn excl. btw, verzend- en handelingskosten en onder voorbehoud bij o.m. ISO- en IEC-normen.
- Bestelt u via de normshop een pdf, dan betaalt u geen handeling en verzendkosten.
- Meer informatie: telefoon 015 2 690 391, dagelijks van 8.30 tot 17.00 uur.
- Wijzigingen en typfouten in teksten en prijsinformatie voorbehouden.
- U kunt onze algemene voorwaarden terugvinden op: www.nen.nl/leveringsvoorwaarden.