

**Transportable gas cylinders - Cylinders
for dissolved acetylene - Inspection at
time of filling**

Transportable gas cylinders - Cylinders for dissolved
acetylene - Inspection at time of filling

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12754:2002 sisaldab Euroopa standardi EN 12754:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 19.06.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12754:2002 consists of the English text of the European standard EN 12754:2001.</p> <p>This document is endorsed on 19.06.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p>Käsitlusala: This European Standard specifies minimum requirements which reflect current practice and experience for inspection at time filling of cylinders of water capacity up to 150 litres for the storage and transport of dissolved acetylene gas under pressure.</p>	<p>Scope: This European Standard specifies minimum requirements which reflect current practice and experience for inspection at time filling of cylinders of water capacity up to 150 litres for the storage and transport of dissolved acetylene gas under pressure.</p>
--	--

ICS 23.020.30

Võtmesõnad: identificat, liquefied petroleum gas, liquefied petroleum gases, liquid gas cylinder, liquid gas tank, marking, mobile, safety, safety devices, safety engineering, safety requirements, specification (approval), specifications, storage, testing, transport, valves

ICS 23.020.30

English version

Transportable gas cylinders - Cylinders for dissolved acetylene - Inspection at time of filling

Bouteilles à gaz transportables - Bouteilles pour acétylène
dissous - Contrôle au moment du remplissage

Ortsbewegliche Gasflaschen - Gasflaschen für gelöstes
Acetylen - Prüfung zum Zeitpunkt des Füllens

This European Standard was approved by CEN on 20 October 2001.

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.



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 Filling inspection	6
5 Description of inspection items	7
Annex A (informative) Procedure to be adopted when a cylinder valve is suspected to be obstructed	10

Foreword

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

Annex A is for information only and is not a mandatory part of this standard.

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.

Introduction

This Standard covers requirements which reflect current practice and experience.

Each transportable gas cylinder for dissolved acetylene is inspected at time of filling in order to establish that:

- it has no defects such that the cylinder is unsafe for filling or continued use;
- it can be identified and complies with the relevant requirements with regard to marking, labelling, colour coding and completeness of its accessories;
- its valve functions satisfactorily;
- the appropriate amounts of the acetylene and solvent have been determined and charged.

The cylinder filling inspection is carried out only by persons who are trained and competent in the subject, for the purpose of ensuring that a cylinder is safe for continued use.

1 Scope

This European Standard specifies minimum requirements which reflect current practice and experience for inspection at time of filling of cylinders of water capacity up to 150 litres for the storage and transport of dissolved acetylene gas under pressure. The standard is not applicable to manifolded bundles or manifolded trailer cylinders. Aspects related to the inspection or testing of the porous mass, are not covered in this standard.

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*.

3 Terms and definitions

For the purposes of this European Standard the terms and definitions of EN 1800:1998 together with the following apply, though there may be differences with other standards of CEN/TC 23:

3.1

cylinder shell

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

3.2

complete cylinder

cylinder shell, ready to be charged with acetylene gas that is complete with porous mass, solvent, saturation gas, valve, any valve protection (permanently attached to the cylinder shell) and other permanently fixed accessories (e.g. neck ring, foot ring, fusible plugs)

3.3

porous mass

single or multi-component material introduced or formed in the cylinder in order to fill it and which due to its porosity allows for the absorption of the solvent/acetylene gas solution

NOTE The porous mass can be either:

- monolithic, consisting of a solid product obtained by reacting materials or by materials connected together with a binder;

or

- non monolithic, consisting of granular, fibrous or similar materials without the addition of a binder

[EN 1800:1998]

3.4

solvent

liquid absorbed by the porous mass capable of dissolving and releasing the acetylene [EN 1800:1998]