

Transportable gas cylinders - Filling conditions for acetylene battery vehicles

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 13720:2002 sisaldab Euroopa standardi EN 13720:2002 ingliskeelset teksti.	This Estonian standard EVS-EN 13720:2002 consists of the English text of the European standard EN 13720:2002.
Käesolev dokument on jõustatud 18.10.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 18.10.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: This European Standard specifies the requirements for filling acetylene battery vehicles	Scope: This European Standard specifies the requirements for filling acetylene battery vehicles
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Võtmesõnad: land vehicles, liquefied petroleum gases, liquid gas tank, marking, mobile, re-usable, reusable equipment, safety, safety devices, safety engineering, safety requirements, specification (approval), specifications, storage, testing, transport, valves, vehicles

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English version

Transportable gas cylinders - Filling conditions for acetylene battery vehicles

Bouteilles à gaz transportables - Conditions de remplissage
des véhicules - batteries d'acétylène

Ortsbewegliche Gasflaschen - Abfüllbedingungen für
Acetylen-Batterie-Fahrzeuge

This European Standard was approved by CEN on 11 April 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.



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Foreword

This document EN 13720:2002 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 January 2003, and conflicting national standards shall be withdrawn at the latest by January 2003.

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.

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.

Introduction

This European Standard is designed to harmonize the different filling conditions for acetylene battery vehicles (acetylene vehicles) in European countries.

The term "acetylene battery vehicle" covers a number of different systems which connect acetylene cylinders (see EN 1800) or acetylene bundles (see EN 12755) in a single unit for the purpose of storage, transport and use of acetylene.

1 Scope

This European Standard specifies the requirements for filling acetylene battery vehicles.

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 1801, *Transportable gas cylinders — Filling conditions for single acetylene cylinders*.

EN 12754, *Transportable gas cylinders — Cylinders for dissolved acetylene — Inspection at time of filling*.

EN 12755:2000, *Transportable gas cylinders — Filling conditions for acetylene bundles*.

prEN 13807, *Transportable gas cylinders — Battery vehicles — Design, manufacture, identification and testing*.

3 Terms and definitions

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

3.1

acetylene battery vehicle (acetylene vehicle)

assembly of cylinders or bundles connected to a manifold and securely attached to a vehicle chassis such that the assembly is transported and emptied as a single unit and can be filled as a single unit

3.2

acetylene vehicle type A

vehicle where cylinders or bundles are removed from the vehicle for the purpose of filling individually

3.3

acetylene vehicle type B

vehicle where cylinders or bundles are filled and emptied a prescribed number of times without removal from the vehicle

3.4

tare weight of an acetylene vehicle

sum of the tare weight of the individual cylinders [EN 1800:1998] or bundles [EN 12755:2000] plus the weight of the associated pipework, fittings, supports and the chassis

3.5

maximum gross weight

sum of the total weight of the individual cylinders or the maximum gross weight of the bundles plus the weight of the associated pipework, fittings, supports and the chassis

3.6

maximum acetylene content

sum of the maximum weights of acetylene permitted in the cylinders or bundles