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BS EN 16125:2015



BSI Standards Publication

LPG Equipment and Accessories — Pipework systems and supports — LPG in liquid phase and vapour pressure phase

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This British Standard is the UK implementation of EN 16125:2015.

The UK participation in its preparation was entrusted to Technical Committee PVE/19, LPG containers and their associated fittings.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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ISBN 978 0 580 81668 0

ICS 23.040.01

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 December 2015.

Amendments issued since publication

Date	Text affected
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EUROPÄISCHE NORM

December 2015

ICS 23.040.01

English Version

LPG Equipment and Accessories - Pipework systems and supports - LPG in liquid phase and vapour pressure phase

Equipements pour GPL et leurs accessoires - Systèmes de canalisations et supports - Phase liquide et phase vapeur

Flüssiggas-Geräte und Ausrüstungsteile - Rohrleitungssysteme und -befestigungen - Flüssigphase und unregelmäßige Gasphase von Flüssiggas (LPG)

This European Standard was approved by CEN on 31 October 2015.

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 16125:2015) has been prepared by Technical Committee CEN/TC 286 "LPG Equipment and Accessories", the secretariat of which is held by NSAI.

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 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

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.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Introduction

This European Standard calls for the use of substances and procedures that may be injurious to health and/or the environment if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations at any stage.

This European Standard is intended for users who take on the responsibility for the assembly of the pipework on site.

Protection of the environment is a key political issue in Europe and elsewhere. Protection of the environment is taken in a very broad sense, as in the total life cycle aspects of, e.g. a product on the environment, including expenditure of energy and during all phases from mining of raw materials, fabrication, packaging, distribution, use, scrapping, recycling of materials, etc.

NOTE 1 Annex D indicates which clauses in this standard addresses environmental issues.

It is recommended that manufacturers develop an environmental management policy. For guidance see the ISO 14001 [9]. It has been assumed in the drafting of this European Standard that the execution of its provisions is entrusted to appropriately qualified and experienced people.

All pressures are gauge unless otherwise stated.

NOTE 2 This standard requires measurement of material properties, dimensions and pressures. All such measurements are subject to a degree of uncertainty due to tolerances in measuring equipment etc. It may be beneficial to refer to the leaflet "measurement uncertainty leaflet (SP INFO 2000 27 uncertainty.pdf)".

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1 Scope

This European Standard specifies the requirements for the design, construction, testing, commissioning, operation and maintenance of LPG pipework in both the liquid phase and at full vapour pressure.

This European Standard is applicable to LPG pipework having a maximum allowable pressure of less than or equal to 25 bar.

This European Standard is applicable to new LPG pipework as well as to replacements of, or extensions to, existing LPG pipework.

This European Standard is not applicable to:

- pipelines and their accessories;
- pipework for the propulsion systems of road vehicles or boats; and
- pipework on ships.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 549, *Rubber materials for seals and diaphragms for gas appliances and gas equipment*

EN 751-1, *Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water - Part 1: Anaerobic jointing compounds*

EN 751-2, *Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water - Part 2: Non-hardening jointing compounds*

EN 751-3, *Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water - Part 3: Unsintered PTFE tapes*

EN 837 (all parts), *Pressure gauges*

EN 1045, *Brazing - Fluxes for brazing - Classification and technical delivery conditions*

EN 1057, *Copper and copper alloys - Seamless, round copper tubes for water and gas in sanitary and heating applications*

EN 1092-1, *Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 1: Steel flanges*

EN 1254-1, *Copper and copper alloys - Plumbing fittings - Part 1: Fittings with ends for capillary soldering or capillary brazing to copper tubes*

EN 1254-2, *Copper and copper alloys - Plumbing fittings - Part 2: Fittings with compression ends for use with copper tubes*

EN 1254-5, *Copper and copper alloys - Plumbing fittings - Part 5: Fittings with short ends for capillary brazing to copper tubes*

EN 1515-1, *Flanges and their joints - Bolting - Part 1: Selection of bolting*