

Small craft — Liquified petroleum gas (LPG) systems

The European Standard EN ISO 10239:2000 has the status of a
British Standard

ICS 47.080

National foreword

This British Standard is the official English language version of EN ISO 10239:2000. It is identical with ISO 10239:2000.

The UK participation in its preparation was entrusted to Technical Committee GME/33, Small craft, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

Following the first 12 months of implementation of this standard in the UK, a review of its use by the UK national committee has highlighted some areas that the committee feel should be clarified.

Annex NA gives guidance and clarification for the use of this standard when working on new installations and is to be read in conjunction with the relevant clauses of this standard identified in Annex NA.

When working on installations completed before the 16 June 1998 reference should be made to BS 5482-3:1999 Annex A. BS 5482-3:1999 is superseded by BS EN ISO 10239:2000 and has been declared obsolescent. It will remain current as a maintenance standard for craft originally constructed to BS 5482-3:1999, and for use in new builds where this is desired.

Cross-references

Attention is drawn to the fact that CEN and CENELEC Standards normally include an annex which lists normative references to international publications with their corresponding European publications. The British Standards which implement these international or European publications may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the EN ISO title page, the EN ISO foreword page, the ISO title page, pages ii to iv, pages 1 to 14, the annex ZA page, the annex ZB page, the National annex NA pages and a back cover.

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This British Standard, having been prepared under the direction of the Engineering Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 November 2000

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Amendments issued since publication

Amd. No.	Date	Comments
13277	28 February 2002	Amendment to national foreword and addition of Annex NA

ISBN 0 580 36702 9

English version

Small craft - Liquefied petroleum gas (LPG) systems (ISO 10239:2000)

Petits navires - Installations alimentées en gaz de pétrole
liquéfiés (GPL) (ISO 10239:2000)

Kleine Wasserfahrzeuge - Flüssiggas-Anlagen (LPG) (ISO
10239:2000)

This European Standard was approved by CEN on 1 September 2000.

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.



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Foreword

The text of the International Standard ISO 10239:2000 has been prepared by Technical Committee ISO/TC 188, Small craft, in collaboration with CEN/CMC.

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 March 2001, and conflicting national standards shall be withdrawn at the latest by March 2001.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZB, which is an integral 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.

Endorsement notice

The text of the International Standard ISO 10239:2000 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

INTERNATIONAL STANDARD

ISO
10239

First edition
2000-09-01

Small craft — Liquefied petroleum gas (LPG) systems

Petits navires — Installations alimentées en gaz de pétrole liquéfiés (GPL)



Reference number
ISO 10239:2000(E)

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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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 10239 was prepared by Technical Committee ISO/TC 188, *Small craft*.

Annex C forms a normative part of this International Standard. Annexes A and B are for information only.

Small craft — Liquefied petroleum gas (LPG) systems

1 Scope

This International Standard covers permanently installed LPG systems and LPG burning appliances on small craft of hull length up to 24 m, except for systems used on LPG-fueled propulsion engines or LPG-driven generators.

This International Standard does not cover appliances with directly attached gas cylinders such as portable self-contained camping stoves or portable gas lamps.

NOTE 1 This International Standard is not intended to regulate technical requirements for LPG cylinders, which are subject to national regulations.

NOTE 2 New designs, materials and methods of assembly giving at least equivalent results may be considered as complying with the requirements of this International Standard when approved by a relevant body.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 7-1:1994, *Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation.*

ISO 8846:1990, *Small craft — Electrical devices — Protection against ignition of surrounding flammable gases.*

ISO 9094-1:—¹⁾, *Small craft — Fire protection — Part 1: Craft with a hull length of up to and including 15 m.*

ISO 10133:—²⁾, *Small craft — Electrical systems — Extra-low-voltage d.c. installations.*

ISO 10240:1995, *Small craft — Owner's manual.*

ISO 13297:—³⁾, *Small craft — Electrical systems — Alternating current installations.*

EN 751-2:1996, *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 751-3:1996, *Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water — Part 3: Unsintered PTFE tapes.*

1) To be published.

2) To be published. (Revision of ISO 10133:1994)

3) To be published. (Revision of ISO 13297:1995)