BRITISH STANDARD

BS EN 1251-1:2000

Cryogenic vessels — Transportable vacuum insulated vessels of not more than 1 000 litres volume —

Part 1: Fundamental requirements

The European Standard EN 1251-1:2000 has the status of a British Standard

Confirmed March 2008

ICS 23.020.40

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI Documents
Document Sharing Hub

Full document details: BS EN 1251-1:2000

National foreword

This British Standard is the official English language version of EN 1251-1:2000.

The UK participation in its preparation was entrusted to Technical Committee PVE/18, Cryogenic vessels, which has the responsibility to:

— aid enquirers to understand the text;

— present to the responsible 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.

Cross-references

The British Standards which implement international or European publications referred to in this document 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 title page, pages 2 to 10, an inside back cover and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

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

© BSI 05-2000

ISBN 0 580 32831 7

Amendments issued since publication

Amd. No.	Date	Comments

Documents
Document Sharing Hub

Full document details: BS EN 1251-1:2000

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1251-1

January 2000

ICS 23.020.40

English version

Cryogenic vessels - Transportable vacuum insulated vessels of not more than 1 000 litres volume - Part 1: Fundamental requirements

Récipients cryogéniques - Récipients transportables, isolés sous vide, d'un volume n'excédant pas 1 000 litres - Partie 1: Exigences fondamentales

Kryo-Behälter - Ortsbewegliche, vakuum-isolierte Behälter mit einem Fassungsraum von nicht mehr als 1 000 Liter - Teil 1: Grundanforderungen

This European Standard was approved by CEN on 19 June 1999.

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 Central Secretariat 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 Central Secretariat 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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

© 2000 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 1251-1:2000 E

Documents
Document Sharing Hub

Full document details: BS EN 1251-1:2000

Contents

Foreword ... 3
1 Scope ... 4
2 Normative references ... 4
3 Definitions ... 4
4 General requirements ... 7
5 Mechanical loads ... 7
5.1 General ... 7
5.2 Load during the pressure test ... 7
5.3 Other mechanical loads ... 7
6 Chemical effects ... 8
7 Thermal conditions ... 8
8 Material ... 8
8.1 Material properties ... 8
8.2 Inspection certificate ... 8
8.3 Materials for outer jackets and equipment ... 9
9 Design, fabrication, inspection and testing ... 9
10 Marking and labelling ... 9
11 Final acceptance test ... 10
12 Periodic inspection ... 10

© BSI 05-2000

Documents
Document Sharing Hub
Full document details: BS EN 1251-1:2000

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 268, “Cryogenic vessels”, the secretariat of which is held by AFNOR.

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 July 2000, and conflicting national standards shall be withdrawn at the latest by July 2000.

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.

The standard has been submitted for reference into the RID and/or in the technical annexes of the ADR.

Therefore 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.

The other parts of EN 1251 are:

— Part 2: Design, fabrication, inspection and testing;

— Part 3: Operational requirements.

© BSI 05-2000

Documents
Document Sharing Hub

Full document details: BS EN 1251-1:2000