

Veeldatud loodusliku gaasi paigaldised ja seadmed. Veeldatud loodusliku gaasi põhilised omadused

Installations and equipment for liquefied natural gas
- General characteristics of liquefied natural gas

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1160:2000 sisaldab Euroopa standardi EN 1160:1996 ingliskeelset teksti. Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 1160:2000 consists of the English text of the European standard EN 1160:1996. This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: Käesolev Euroopa standard annab juhiseid veeldatud loodusliku gaasi (LNG) omaduste ja veeldatud loodusliku gaasi tööstuses kasutatavate krüogeensete materjalide kohta. Standard annab ka tervisekaitse- ja ohutusjuhiseid. Standard on mõeldud kasutamiseks kui soovitatav dokument teiste CEN/TC 282 standardite "Veeldatud loodusliku gaasi paigaldised ja seadmed" rakendamiseks. Standard on mõeldud kui soovitus kasutamiseks isikutele, kes projekteerivad või kasutavad veeldatud gaasi rajatisi.	Scope:
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ICS 75.180.01

Võtmesõnad: füüsikalised omadused, gaaspaigaldised, konstruktsioonimaterjalid, ohutus, omadused, toksilisus, tuleohutus, veeldatud looduslik gaas, õnnetuse vältimine

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Descriptors: Liquefied natural gas, natural gas, installations, characteristics, equipment.

English version

Installations and equipment for liquefied natural gas

General characteristics of liquefied natural gas

Installations et équipements relatifs au gaz naturel liquéfié; caractéristiques générales du gaz naturel liquéfié

Anlagen und Ausrüstung für Flüssigerdgas; allgemeine Eigenschaften von Flüssigerdgas

This European Standard was approved by CEN on 1996-04-20.

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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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

Content

Foreword	2
1 Scope	3
2 Normative references	3
3 Definition	3
4 Abbreviations	3
5 General characteristics of LNG	3
5.1 Introduction.....	3
5.2 Properties of LNG.....	4
5.3 Evaporation of LNG.....	5
5.4 Spillage of LNG.....	6
5.5 Ignition.....	7
5.6 Containment.....	7
5.7 Other physical phenomena	8
6 Materials of construction	9
6.1 Materials used in the LNG industry.....	9
6.2 Thermal stresses	11
7 Health and safety	12
7.1 Exposure to cold.....	12
7.2 Exposure to gas	13
7.3 Fire precautions and protection.....	13
7.4 Odour	14
Annex A (informative) Bibliography	15
Annex B (informative) Materials that can be used in contact with LNG	19

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 282 "Installation and equipment for LNG", 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 December 1996, and conflicting national standards shall be withdrawn at the latest by December 1996.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard : Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom

1 Scope

This European Standard gives guidance on the characteristics of liquefied natural gas (LNG) and the cryogenic materials used in the LNG industry. It also gives guidance on health and safety matters. It is intended to act as a reference document for the implementation of other standards of CEN/TC 282 "Installations and equipment for liquefied natural gas".

It is intended as a reference for use by persons who design or operate LNG facilities.

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.

prEN 1473	Installation and equipment for liquefied natural gas - Design of on-shore installation
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3 Definition

For the purposes of this standard, the following definition applies :

liquefied natural gas : A colourless fluid in the liquid state composed predominantly of methane and which may contain minor quantities of ethane, propane, nitrogen or other components normally found in natural gas.

4 Abbreviations

For the purposes of this standard, the following abbreviations apply :

LNG	: liquefied natural gas ;
RPT	: rapid phase transition ;
BLEVE	: boiling liquid expanding vapour explosion ;
SEP	: surface emissive power.

5 General characteristics of LNG

5.1 Introduction

It is recommended that all personnel concerned with the handling of LNG should be familiar with both the characteristics of the liquid and the gas produced.