

**Paigaldised ja seadmed veeldatud
maagaasi jaoks. Veeldatud maagaasi
torustikes kasutatavate äärikühenduste
tihendite sobivuse katsetamine**

Installations and equipment for LNG - Suitability
testing of gaskets designed for flanged joints used
on LNG piping

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12308:2000 sisaldab Euroopa standardi EN 12308:1998 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 12308:2000 consists of the English text of the European standard EN 12308:1998. 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 standard määratleb veeldatud maagaasi torustikes kasutatavate äärikühenduste jaoks konstrueeritud tihendite sobivuse hindamise testid.	Scope:
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ICS 75.200

Võtmesõnad: gaasipaigaldis, gaasitorud, gaasiventilid, kasutusnõuded, lekkekatsetus, lukustuskatsetus, mehaaniline tugevus, testimine, testimistingimused, toruliitmikud, toruäärikud, toruühendused, veeldatud maagaas, äärikühendused

ICS 23.040.80; 75.200

Descriptors: LNG, installations, flanged joints, gaskets, suitability testing.

English version

Installations and equipment for LNG
**Suitability testing of gaskets designed for flanged
joints used on LNG piping**

Installations et équipements relatifs
au gaz naturel liquéfié – Essais
d'aptitude à l'emploi des joints
destinés aux assemblages par brides
des tuyauteries GNL

Anlagen und Ausrüstung für Flüssig-
erdgas – Eignungsprüfung von Flach-
dichtungen für Flanschverbindungen
in Flüssigerdgas-Rohrleitungen

This European Standard was approved by CEN on 1998-05-07.

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.

The European Standards exist 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

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

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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 1998 and conflicting national standards shall be withdrawn at the latest by December 1998.

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.

1 Scope

This European Standard specifies the tests carried out in order to assess the suitability of gaskets designed for flanged joints used on LNG pipes.

This European Standard is applicable for gaskets with :

- nominal pressure range from PN 16 to PN 100 ;
- nominal diameter range from DN 10 to DN 1 000 ;
- class range from Class 150 to Class 900 ;
- nominal diameter range for Class flanges from NPS 1/4 to NPS 42.

2 Normative references

This European Standard incorporates provisions from other publications, by dated or undated reference. 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 shall apply to this European Standard only when incorporated hereto by amendment or revision. For undated references, the latest edition of the publication referred to applies.

EN 764	Pressure equipment - Terminology and symbols - Pressure, temperature, volume
EN 1160	Installations and equipment for liquefied natural gas - General characteristics of liquefied natural gas
EN 1333	Pipework components - Definition and selection of PN
EN 1514-1	Flanges and their joints - Dimensions of gaskets for PN-designated flanges - Part 1 : Non-metallic flat gaskets with or without inserts
EN 1514-2	Flanges and their joints - Dimensions of gaskets for PN-designated flanges - Part 2 : Spiral wound gaskets for use with steel flanges
EN 1514-3	Flanges and their joints - Dimensions of gaskets for PN-designated flanges - Part 3 : Non-metallic PTFE envelope gaskets
EN 1514-4	Flanges and their joints - Dimensions of gaskets for PN-designated flanges - Part 4 : Corrugated, flat or grooved metallic and filled metallic gaskets for use with steel flanges
prEN 1515-1	Flanges and their joints - Bolting - Part 1 : Selection of bolting
prEN 1515-2	Flanges and their joints - Bolting - Part 2 : Combination of flange and bolting materials for steel flanges - PN designated
EN ISO 6708	Pipework components - Definition and selection of DN (nominal size) (ISO 6708:1995)