

Industrial valves - Isolating valves for LNG - Specification for suitability and appropriate verification tests

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12567:2000 sisaldab Euroopa standardi EN 12567:2000 ingliskeelset teksti. Käesolev dokument on jõustatud 18.12.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 12567:2000 consists of the English text of the European standard EN 12567:2000. This document is endorsed on 18.12.2000 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: This standard defines the general performance requirement of isolating valves (gate valves, globe road or sea) of Liquefied Natural Gas (LNG). LNG filling valves for vehicle refilling systems are excluded from the scope of this standard. DN range from DN 8 to 1000. PN range from PN 16 to PN 100. Class range from Class 150 to Class 900. Temperature range from -196 °C to + 60 °C.	Scope: This standard defines the general performance requirement of isolating valves (gate valves, globe road or sea) of Liquefied Natural Gas (LNG). LNG filling valves for vehicle refilling systems are excluded from the scope of this standard. DN range from DN 8 to 1000. PN range from PN 16 to PN 100. Class range from Class 150 to Class 900. Temperature range from -196 °C to + 60 °C.
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English version

Industrial valves

Isolating valves for LNG

Specification for suitability and appropriate verification tests

Robinetterie industrielle – Robinets
de sectionnement pour GNL – Pre-
scriptions d'aptitude à l'emploi et
vérifications s'y rapportant

Industriearmaturen – Absperrarma-
turen für Flüssigerdgas – Anforderun-
gen an die Gebrauchstauglichkeit
und deren Prüfungen

This European Standard was approved by CEN on 2000-06-25.

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

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

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 69 "Industrial valves", 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 January 2001, and conflicting national standards shall be withdrawn at the latest by January 2001.

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 general performance requirements of isolating valves (gate valves, globe valves, plug valves, ball valves, butterfly valves, etc.) of Liquefied Natural Gas (LNG). LNG filling valves for vehicle refuelling systems are excluded from the scope of this standard.

DN range from DN 8 to DN 1000.

PN range from PN 16 to PN 100.

Class range from Class 150 to Class 900.

Temperature range from $-196\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$.

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 (including amendments).

EN 19, *Industrial Valves – Marking*.

EN 736-1, *Valves - Terminology - Part 1 : Definition of types of valves*.

EN 736-2, *Valves - Terminology - Part 2 : Definition of components of valves*.

EN 736-3, *Valves - Terminology - Part 3 : Definition of terms*.

EN 764, *Pressure equipment - Terminology and symbols - Pressure, temperature and volume*.

EN 1160, *Installations and equipment for liquefied natural gas - General characteristics of liquefied natural gas*.

EN 10045-1, *Metallic materials - Charpy impact tests - Part 1 : Test method*.

EN 12308, *Installations and equipment for LNG - Suitability testing of gaskets designed for flanged joints used on LNG piping*.

EN ISO 5210, *Industrial valves – Multi-turn actuator attachments (ISO 5210:1991)*.

prEN ISO 5211:2000, *Industrial valves - Part-turn valve actuator attachments (ISO/FDIS 5211:2000)*.

prEN 12266-1:1999, *Industrial valves – Testing of valves - Part 1 : Tests, test procedures and acceptance criteria to be fulfilled by every valve*.

prEN 12516-1:2000, *Industrial Valves – Shell Design Strength – Part 1: Tabulation Method for Steel Valves*.

prEN 12516-2:2000, *Industrial Valves – Shell Design Strength – Part 2: Calculation Method for Steel Valves*.

prEN 12516-3:1999, *Valves - Shell design strength - Part 3 : Experimental method*.

EN 12570, *Industrial valves - Method for sizing the operating element*.

ISO 10497, *Testing of valves - Fire type-testing requirements*.

ASTM A 380, *Standard practice to cleaning, descaling and passivation of stainless steel parts, equipment and systems*.