

**Gaasivarustus. Hoone gaasitorustik. Maksimaalne  
töörõhk kuni 5 bar. Talituslikud soovitused**

Gas supply - Gas pipework for buildings - Maximum  
operating pressure < 5 bar - Functional recommendations

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1775:2001 sisaldab Euroopa standardi EN 1775:1998 + A1:2000 + A2:2000 ingliskeelset teksti.

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Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 1775:2001 consists of the English text of the European standard EN 1775:1998 + A1:2000 + A2:2000.

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The standard is available from Estonian standardisation organisation.

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Descriptors: gas installation, buildings, junctions, recommendations, design, equipment specifications, safety, accident prevention, safety measures, tests, operating requirements, maintenance

English version

Gas supply - Gas pipework for buildings - Maximum operating pressure < 5 bar - Functional recommendations

Alimentation en gaz - Tuyauterie de gaz pour les bâtiments  
- Pression maximale de service < 5 bar -  
Recommandations fonctionnelles

Gasversorgung - Gasleitungsanlagen für Gebäude -  
Maximal zulässiger Betriebsdruck < 5 bar - Funktionale  
Empfehlungen

This European Standard was approved by CEN on 11 December 1997.

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.

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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 234 "Gas supply", the secretariat of which is held by DIN.

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 1998, and conflicting national standards shall be withdrawn at the latest by July 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

## Introduction

This functional standard is to be taken into account as a reference standard in codes of practice in CEN member countries. These codes of practice also need to take account of regulations made by the municipal, regional or national authorities in each country in order to design and construct gas installations for buildings.

This standard contains general recommendations on the safety of persons, animals and property and the protection of their environment.

The recommendations in this standard are intended to be applied by competent persons who have suitable knowledge and experience.

This standard does not consider contractual agreements, qualifications or authorizations imposed by gas distributors or public authorities upon companies who design or otherwise work on gas installations.

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## 1 Scope

**1.1** This standard specifies the general recommendations for the design, construction, testing, commissioning, operation and maintenance of installation pipework, that is the pipework between the point of delivery of the gas and the inlet connection to the gas appliance.

This standard specifies common basic principles for gas installation pipework. Users of this European standard should be aware that more detailed national standards and/or codes of practice may exist in the CEN member countries.

This standard is intended to be applied in association with these national standards and/or codes of practice setting out the above mentioned basic principles.

This standard is applicable to installation pipework having a maximum operating pressure (MOP) less than or equal to 5 bar.

This standard is applicable to new installation pipework as well as to replacements of, or extensions to, existing installation pipework.

This standard does not contain recommendations for the laying of buried pipework. For more information, reference should be made to prEN 12007-1, prEN 12007-2 and prEN 12007-3.

For more information on gas pressure regulating installations, reference should be made to prEN 12279.

For more information on gas metering systems, reference should be made to prEN 1776.

**1.2** This standard is applicable to installation pipework supplied from gas distribution systems. LPG installations supplied directly from storage vessels are excluded.

**1.3** In this standard the term 'gas' refers to combustible gases, which are gaseous at 15 °C and 1 013 mbar. These gases, generally odorized for safety reasons, are commonly referred to as manufactured gas, natural gas or liquefied petroleum gases (LPG). They are also referred to as first, second or third family gases (see table 1 of EN 437 : 1993).

In this standard, all pressures are gauge pressures.

## 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.

EN 437:1993	Test gases - Test pressures - Appliances categories
EN 751-1	Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases, potable water, and hot water - Part 1 : Anaerobic jointing compounds

EN 751-2	Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases, potable water, and hot water - Part 2 : Non-hardening jointing compounds
EN 751-3	Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases, potable water, and hot water - Part 3 : Unsintered PTFE tapes
prEN 1555-3	Plastics piping systems for gaseous fuels supply - polyethylene (PE) - Part 3 : Fittings
prEN 1776	Functional requirements for gas metering systems for natural gas - Design, materials, construction, reliability, calibration, operation and maintenance
prEN 10226-1	Pipe threads where pressure tight joints are made on the threads - Part 1 : Designation dimensions and tolerances
prEN 10227-1	Pipe threads where pressure tight joints are not made on the threads - Part 1 : Designation dimensions and tolerances
prEN 12007-1	Gas supply systems - Pipelines - Maximum operating pressure $\leq 16$ bar - Part 1: General functional recommendations
prEN 12007-2	Gas supply systems - Pipelines - Maximum operating pressure $\leq 16$ bar - Part 2: Specific functional recommendations for polyethylene (MOP $\leq 10$ bar)
prEN 12007-3	Gas supply systems - Pipelines - Maximum operating pressure $\leq 16$ bar - Part 3: Specific functional recommendations for steel
prEN 12279	Gas supply systems - Gas pressure regulating installation service lines - Functional requirements

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