



SLOVENSKI STANDARD
SIST CR 13737:2004

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Vodilo za uporabo funkcionalnih standardov, ki jih je pripravil CEN/TC 234
"Oskrba s plinom"

Implementation Guide for functional standards prepared by CEN/TC 234 "Gas supply"

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Implementation Guide for functional standards prepared by
CEN/TC 234 "Gas supply"

This CEN Report was approved by CEN on 4 August 2001. It has been drawn up by the Technical Committee CEN/TC 234.

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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CR 13737:2001 (E)

Foreword

This CEN Report (CR) is meant as a guideline for the national implementation of the functional European Standards elaborated by the Technical Committee CEN/TC 234 "Gas supply".

It has been prepared by the Technical Committee CEN/TC 234 on the basis of resolution BT 53/1998 (Annex A).

In its functional standards CEN/TC 234 establishes common safety principles to design, construct, operate and maintain safe and reliable gas supply systems. The detail to comply with these principles is left to existing national standards in support of national legislation of technical rules. In the event of conflicts in terms of more restrictive requirements in the national legislation/regulation with the requirements of CEN/TC 234 standards the national legislation/regulation shall take precedence as illustrated in this CEN Report.

Functional standards at CEN are a relatively novel concept. So already during the elaboration of the standards a way had to be found to deal with in compliance with the CEN internal regulations. For this purpose CEN/TC 234 prepared its "Position Paper - Acceptance of CEN/TC 234 Standards" N 432 (see Annex B) which was endorsed by CEN/BT Resolution C14/1997 (see Annex C).

This CEN Report contains for each country affected a national page where the relevant national legislation/regulations for the field of gas supply are listed. The national page may further contain the relevant national standards and/or codes of practice and national bodies which can act as further sources of information, if an interested party needs further guidance.

Although the CEN/TC 234 standards refer to CR 13737:2000 it should be emphasised that the latest available version of CR 13737 will be valid.

The national page may, if necessary, specifically hint at requirements in the national legislation/regulations that are more stringent than those in the European Standards prepared by CEN/TC 234, in particular EN 1775. This shall be done, however, without giving any details.

The listing of the national legislation/regulation is established by each CEN member. The responsibility for the content of the national page is assumed by the individual CEN members.

It is to note that this CR gives the current situation at the date of publication. Considering that national legislation/regulation may have changed in the countries involved since that date it is up to individuals to check whether the information involved is still accurate.

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1 Relevant national legislation/regulations for gas installation (EN 1775)

1.1 Page for Austria

1.1.1 Relevant Austrian legislation and standards for gas installation to which EN 1775 is applicable

1.1.1.1 Federal law

The relevant Austrian legislation is determined by constitution as agenda of the federal states (Bundesländer). Furthermore, a special gas law exists in each federal state.

1.1.1.2 Codes of practice of ÖVGW

- G 1
Technische Richtlinie für die Einrichtung, Änderung, Betrieb und Instandhaltung von Niederdruck-Gasanlagen (TR Gas)
(Technical rules for construction, modification, operation and maintenance of low pressure gas installations - aligned to EN 1775)
- G 6
Gas-Inneninstallationen für Betriebsdrücke über 100 mbar bis einschließlich 5 bar
(Gas installations inside buildings for operating pressures above 100 mbar up to and including 5 bar - aligned to EN 1775)
- G 55
Gas-Hausanschlussanlagen mit einem Betriebsdruck bis einschließlich 4 bar
(Gas connection mains for houses with an operating pressure up to and including 4 bar)
- G 72
Absperrhähne in der Gasinstallation
(Shutting-off valves in the gas installation)

1.1.2 More restrictive requirements in Austrian legislation/regulations

1.1.2.1 General

No detailed specifications needed.

1.1.2.2 Clauses to note regarding EN 1775:1998

No detailed specifications needed.

1.2 Page for Belgium

1.2.1 Relevant Belgian legislation and standards for gas installation to which EN 1775 is applicable

1.2.1.1 National legislation

Royal Decree of 28 June 1971 "Arrêté Royal déterminant les mesures de sécurité à prendre lors de l'établissement et dans l'exploitation des installations de distribution de gaz par canalisation"

1.2.1.2 National standards

- NBN D 51-003 "Installations for combustible piped gas, lighter than air"
- NBN D 51-004 "Installations for combustible piped gas, lighter than air - Special installation"
- NBN D-50-001 "Ventilating systems for housing"
- NBN D 51-001 "Premises for pressure reducing devices for natural gas"

1.2.2 More restrictive requirements in Belgian legislation/regulation

1.2.2.1 General

Belgium has chosen for the use of materials that withstand high temperatures (R_{HT} principle) - one of the possibilities stipulated in EN 1775 clause 4.2.

The authorised materials shall thus comply with requirements which are sometimes more stringent than those given in EN 1775.

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1.2.2.2 Clauses to note regarding EN 1775:1998

Clause of EN 1775:1998	Clause of the national legislation/regulation
3.4.3/3.4.4	NBN D 51-003, clause 3.5.1.2 Gas tightness achieved by metal to metal contact is required not only for threaded joints but also for the mechanical compression joints and the unions.
5.2	NBN D 51-003, clause 3.5.1.6 Mechanical compression joints shall comply with some specific requirements regarding the locking ring and the cap nut.
5.2.4.1	NBN D 51-003, clause 3.3.2 Compression joints may not be built-in in walls or floors.
5.5/5.6	NBN D 51-003, clause 6,7 Depending on the flow rate, the requirements about the ventilation and the electrical equipment in the space where the gasmeter(s) and the regulator(s) are installed, are stricter.
5.7.1	NBN D 51-003, clause 5.6 Flexible appliance connectors without permanently fixed end fitting are forbidden, except for low gas rate appliances without a gas tap in laboratories.

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1.2.3 Relevant Belgian legislation and standards for gas installation to which EN 1775/A1 is applicable**1.2.3.1 National Legislation**

- Royal Decree of 28 June 1971 "Arrêté Royal déterminant les mesures de sécurité à prendre lors de l'établissement et dans l'exploitation des installations de distribution de gaz par canalisations"

1.2.3.2 National Standards

- NBN D51-003: "Installations for combustible piped gas, lighter than air"
- NBN D51-004: "Installations for combustible piped gas, lighter than air - Special installations"

1.2.4 Specifications in the Belgian standards which are more stringent than those provided by EN 1775/A1**1.2.4.1 General**

For gas installation MOP $\leq 0,1$ bar inside a building, Belgium has chosen for the use of materials that withstand high temperatures (R_{HT} principle) - one of the possibilities stipulated in EN 1775 § 4.2. The authorised materials shall thus comply requirements which are sometimes more stringent than those given in EN 1775.

1.2.4.2 Special requirements

Specification EN 1775/A1	Specification Belgian standards
4.3.	NBN D51-004 / § 5.3.1. Royal Decree of 28/06/1971 / art 8.1. Polyethylene pipes are permitted only when they are buried in the ground
5.2.3.	https://standards.iteh.ai/catalog/standards/sist/315a800b-70ac-4850-9b02-3b80bacd0e16/sist-cr-13737-2004 NBN D51-003 Soft soldered joints are not permitted

1.3 Page for the Czech Republic

1.3.1 Relevant national legislation/regulations for gas installation to which EN 1775 is applicable

1.3.1.1 National legislation

- Act No. 174/1968, on the national labour inspection (amendments Acts No. 575/1990, 159/1992, 47/1994, 124/2000)
- Act No. 458/2000 on terms for enterprising and exercising the national administration in the energy sector
- Act No. 360/1992, on Execution of the Authorised Architects, Engineers and Technicians and Technicians Engaged in Construction (in the wording of Act No. 164/1993 and 275/1994)
- Decree No. 21/1979, which defines the specially supervised gas equipment and specifies some requirements to ensuring their safety (amendment decree No. 554/1990, 352/2000)
- Decree No. 48/1982, which establishes the basic requirements to ensuring the labour safety and safety of the technical equipment (amendment decree No. 324/1994, 207/1991, 352/2000)
- Decree No. 85/1978, on Inspection, Survey and Testing of the Gas Equipment (amendment decree No. 352/2000)
- Decree No. 324/1990, on Labour Safety and Safety of Technical Equipment at Construction Activities
- Decree No. 196/1995, which establishes in more detail the conditions for the gas supplies and method of calculation of damages inflicted by illegal gas take-off
- Decree No. 137/1998, on General Requirements for Construction

1.3.1.2 National standards

- a) Standards relevant for fire protection [SIST CR 13737:2004](https://standards.iteh.ai/catalog/standards/sis/315a800b-70ac-4850-9b02-2b80ba19116/sist-cr-13737-2004)
- CSN 73 0802 Fire protection of building – Non-industrial building
 - CSN 73 0833 Fire protection of buildings – Building for dwelling and lodging
- b) General standards relevant for gas sector
- CSN 38 6405 Gas equipment. Principles for operation
 - CSN 38 6450 Placing of gas pipeline in the steel sleeve
 - CSN 38 6462 Distribution and consumption of LPG in industrial plants
 - CSN 73 6005 Space arrangement of conduit of technical equipment
- c) Standards relevant especially for EN 1775
- CSN 38 6420 Industrial pipelines
 - CSN 38 6460 Rules for installation and distribution of LPG in dwelling buildings

1.3.1.3 National codes of practice

- TPG 609 01 Gas regulators for inlet pressure up to 0,5 MPa. Placing and operation
- TPG 700 01 Usage of copper materials at gas piping
- TPG 704 01 Gas installation pipework and appliances for building
- TPG 704 02 Resealing of gas pipework
- TPG 800 03 Connecting of installation pipework and its commissioning
- TPG 934 01 Gas meters - Location, installation and operation
- TPG 938 01 Leak detector systems for securing against the dangerous combustible gas leaks
- TPG 942 01 Testing of screw connection packing for gas pipes. Foaming agents for gas leak detection
- TPG 943 01 Foaming agents for gas leak detection