



SLOVENSKI STANDARD SIST-V CEN Guide 18:2021

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Plinske naprave in fittingi - Smernice za vključitev bistvenih zahtev Uredbe 2016/426/EU o plinskih napravah v evropske standarde

Gas Appliances and Fittings - Guidelines for the implementation of Essential Requirements of Gas Appliances Regulation 2016/426/EU in European standards

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Gas Appliances and Fittings – Guidelines for the implementation of Essential Requirements of Gas Appliances Regulation 2016/426/EU in European Standards

Edition 1, 2021-02



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Foreword

This document (CEN Guide 18:2021) has been prepared by Technical Committee CEN/SFG_U “Sub Forum Gas Utilization”, the secretariat of which is held by AFNOR.

This document is intended for the use of Technical Committees writing product and/or supporting standards in the field of gas appliances and fittings.

It gives guidelines for the development of standards to support the Essential Requirements of the Gas Appliances Regulation (EU) 2016/426.

As a response to the increased number of standards dealing with gas appliances and fittings not published in the Official Journal of the European Union, the relevant Gas Technical Committees have undertaken publication of guidelines for the implementation of Essential Requirements of GAR in European gas product standards, supplementing the CEN/CENELEC Internal Regulations, Part 3:2019, which sets out general principles and requirements for all European Standards.

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1 Scope

This document presents guidelines for the implementation of Essential Requirements of Gas Appliances Regulation (EU) 2016/426 into hEN candidates for citation in the OJEU.

This document gives guidance that is additional to the CEN/CENELEC Internal Regulations, Part 3:2019, when this is necessary owing to the special requirements of gas appliances and fittings.

This document is intended for the drafting of gas appliances and fittings standards.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CEN/CENELEC Internal Regulations, Part 3:2019, *Principles and rules for the structure and drafting of CEN and CENELEC documents (ISO/IEC Directives Part 2:2018, modified)*

EN 1672-2:2005+A1:2009, *Food processing machinery — Basic concepts — Part 2: Hygiene requirements*

EN 60335-2-102:2016, *Household and similar electrical appliances — Safety — Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections (IEC 60335-2-102:2004, modified)*

EN 60730-1, *Automatic electrical controls — Part 1: General requirements (IEC 60730-1)*

EN ISO 13732-1, *Ergonomics of the thermal environment — Methods for the assessment of human responses to contact with surfaces — Part 1: Hot surfaces (ISO 13732-1)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in the CEN/CENELEC Internal Regulations, Part 3:2019 apply.

4 General principles

The CEN/CENELEC Internal Regulations, Part 3:2019 should be used in conjunction with this document when preparing a new standard dealing with gas appliances and fittings or revising an existing one.

In general, the standards should not repeat or paraphrase the text of other reference standards; however, for better understanding of standards, it is acceptable to repeat a basic definition, concept or the scope of the standard.

5 Principles to be considered during drafting process

5.1 Checklist to be considered during drafting process

At least the following items of the standard should be checked before filling out the Annex ZA:

- 1) Clear follow up of comments on former assessment sometimes by the TC;
- 2) Information indicating significant changes in the foreword of the revised or amended standard;
- 3) It is essential to follow rules for the use of verbal forms so that a clear distinction can be made between requirements (shall), recommendations (should), permissions (may), possibilities and capabilities (can);

- 4) All normative references dated;
- 5) State of the art¹ for fulfilling the Essential Requirement of the GAR to be taken into account;
- 6) For incorporated fittings the relevant ER have to be taken into account;
- 7) Adequate method/test to verify each requirement (e.g. visual inspection is not sufficient in all cases...);
- 8) Clear separation between requirements and test conditions in the same clause;
- 9) No requirements to the manufacturer, test laboratory, installer, etc. in a product standard;
- 10) No items concerning quality control, etc. in a product standard;
- 11) *Lex Specialis: The rational use of energy essential requirement laid down in point 3.5 of Annex I to this Regulation does not apply to appliances covered by a measure adopted pursuant to Article 15 of Directive 2009/125/EC;*
- 12) Requirements for parts/material coming into contact with food and water are essential, no reference to Regulation 1935/2004 as all relevant Regulations have to be applied;
- 13) No mixture of “instructions”, GAR is using installation instructions for the installer, instructions for use/maintenance/servicing (intended for the user) and technical documentation (which shall make it possible to assess the product);
- 14) No “country of destination” or “Official language(s)” as GAR is only talking of “languages easily understood by consumers, appliance manufacturers, the market surveillance authorities and other end-users”² in clauses relevant for Annex ZA;
- 15) Check the numbering of the standard.

5.2 Implementation of Essential Requirements

For the implementation of Essential Requirements of Gas Appliances Regulation (UE) 2016/426, the following Table 1 gives some guidelines.

¹ FAQ document from Member States : https://ec.europa.eu/growth/sectors/pressure-gas/gas-appliances/regulation_en

² GAR, chapter II, article 7, 6) and 7) : <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32016R0426>

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Table 1 — Guidelines to implement Essential Requirements of GAR (EU) 2016/426

Essential Requirements ANNEX I of Regulation (EU) 2016/426	WG 8 proposals - Clause(s)/sub-clause(s) of this EN - Type of clauses to be addressed in the standard	WG 8 proposals Remarks - Notes (general for all TCs)	WG 8 proposals Explanation and examples
PRELIMINARY OBSERVATIONS:			
1. The essential requirements laid down in this Regulation are compulsory.			
2. The essential requirements are to be interpreted and applied in such a way as to take into account the state of the art and current practice at the time of design and manufacture as well as technical and economic considerations which are consistent with a high degree of energy efficiency and of health and safety protection.			
1. GENERAL REQUIREMENTS			
1.1. Appliances shall be so designed and constructed as to operate safely and present no danger to persons, domestic animals or property, when normally used. Fittings shall be so designed and constructed as to fulfil correctly their intended purpose when incorporated into an appliance or assembled to constitute an appliance.	Reference shall be given to clauses indicating normal use	The standard supports this ER. In addition, all relevant ER as referenced for ER 2 up to 3.7 shall be concerned	This ER is dealing with “normal use”.
1.2. The manufacturer is under an obligation to analyse the risks in order to identify those which apply to his appliance or fitting. He shall then design and construct it taking into account its risk assessment.	No clauses reference	No remarks	The standard is based on a risk assessment (see CEN/CENELEC Internal Regulations and Blue Guide), e.g. the foreword could explain the risk assessment approach during the drafting of the standard.

Essential Requirements ANNEX I of Regulation (EU) 2016/426	WG 8 proposals - Clause(s)/sub-clause(s) of this EN - Type of clauses to be addressed in the standard	WG 8 proposals Remarks - Notes (general for all TCs)	WG 8 proposals Explanation and examples
<p>1.3. In selecting the most appropriate solutions, the manufacturer shall apply the principles set out below, in the following order:</p> <p>(a) eliminate or reduce risks as far as possible (inherently safe design and construction);</p> <p>(b) take the necessary protection measures in relation to risks that cannot be eliminated;</p> <p>(c) inform users of the residual risks due to any shortcomings of the protection measures adopted and indicate whether any particular precautions are required.</p>	No clauses reference	No remarks	The standard is based on a risk assessment (see CEN/CENELEC Internal Regulations and Blue Guide), e.g. the foreword could explain the risk assessment approach during the drafting of the standard.
<p>1.4. When designing and constructing the appliance, and when drafting the instructions, the manufacturer shall envisage not only the intended use of the appliance, but also the reasonably foreseeable uses.</p>	No clauses reference	No remarks	This general requirement has to be considered during the drafting of this standard.
<p>1.5. All appliances shall:</p>	Refer to clauses that indicate presence of instructions and notices	See ER 1.6.1, ER 1.6.2, ER 1.6.3	
<p>(a) be accompanied by instructions for installation intended for the installer;</p>			see ER 1.6.1
<p>(b) be accompanied by instructions for use and servicing, intended for the user;</p>			see ER 1.6.2

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(c) bear appropriate warning notices, which shall also appear on the packaging.			see ER 1.6.3
<p>1.6.1. The instructions for installation intended for the installer shall contain all the instructions for installation, adjustment and servicing required to ensure that those operations are correctly performed so that the appliance may be used safely.</p> <p>The instructions for installation intended for the installer shall include also information on the technical specifications of the interface between the appliance and its installation environment allowing its correct connection to the gas supply network, the supply of auxiliary energy, the combustion air supply and the flue gas evacuation system.</p>	<p>Refer to the clauses containing the requirements the instructions for installation for the installer</p>	<p>No remarks</p>	<p>Specific clauses given details on installations and adjustment (information on the technical specifications of the interface between the appliance and its installation environment, correct connection to the gas supply network, the supply of auxiliary energy, the combustion air supply and the flue gas evacuation system) and other requirements covered by other clauses.</p> <p>The risk assessment of the appliance may reveal that there is a need for additional instructions not covered by the risk assessment made for this standard.</p>