



SLOVENSKI STANDARD
SIST EN 16668:2016/oprA1:2017
01-april-2017

Industrijski ventili - Zahteve in preskušanje kovinskih ventilov kot tlačnega pribora

Industrial valves - Requirements and testing for metallic valves as pressure accessories

Industriearmaturen - Anforderungen und Prüfungen für Metallarmaturen als drucktragende Ausrüstungsteile

Robinetterie industrielle - Exigences et essais pour appareils de robinetterie métalliques utilisés comme accessoires sous pression

Ta slovenski standard je istoveten z: EN 16668:2016/prA1

ICS:

23.060.01 Ventili na splošno Valves in general

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EUROPEAN STANDARD
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EUROPÄISCHE NORM

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English Version

Industrial valves - Requirements and testing for metallic valves as pressure accessories

Robinetterie industrielle - Exigences et essais pour appareils de robinetterie métalliques utilisés comme accessoires sous pression

Industriearmaturen - Anforderungen und Prüfungen für Metallarmaturen als drucktragende Ausrüstungsteile

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 69.

This draft amendment A1, if approved, will modify the European Standard EN 16668:2016. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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European foreword

This document (EN 16668:2016/prA1:2017) has been prepared by Technical Committee CEN/TC 69 “Industrial valves”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive.

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

EN 16668:2016/prA1:2017 (E)**1 Modification to the Scope**

Replace “Pressure Equipment Directive 2014/68/EU” by “European legislation for pressure equipment” in the 1st and 2nd paragraph.

Replace “PED” by “European legislation for pressure equipment”.

2 Modification to Clause 4

Replace all Clause 4 by the following text:

“A classification under the use of DN and PS and fluid groups 1 and 2 leads to maximum category III. For respective results see Annex A.

Valves classified in Article 4 (3) of the European Legislation for pressure equipment, are excluded from conformance to requirements of this standard but shall meet the “sound engineering practice” by conformity to the relevant product standard.”

3 Modification to 5.1.2

In the Note, replace “all PED requirements” by “all requirements related to the European legislation for pressure equipment”.

Replace the Warning by the following:

WARNING — Basis of design shall comply with the requirements of the European legislation for pressure equipment relative to the design for adequate strength using calculation methods validated, if necessary, by an experimental method. The use of experimental design methods without calculation is limited.

4 Modification to 5.2.1

Replace the Note by the following:

“NOTE EAM or PMA is not required for valves classified in Article 4 (3) of the European legislation for pressure equipment.”

5 Modification to 5.2.4

Add the following paragraph after the 1st paragraph:

“For valves in categories III or IV, a specific assessment of the PMA shall be performed by the notified body in charge of conformity assessment procedures for the valves.”

6 Modification to 5.2.6

Replace the 2nd paragraph by the following:

“EN 1515-4:2009 provides a selection of bolting for equipment subject to the European Legislation for Pressure Equipment. “

7 Modification to 5.8.1

Replace the paragraph after the list by the following:

“The rules of the European Legislation for pressure equipment and the product specification, which includes the technical delivery conditions, shall be applied. If an inspection certificate 3.1 is required, the quality system of the material manufacturer shall fulfil EN 764-5.”

8 Modification to 5.8.2

Replace NOTE 1 by the following:

“NOTE 1 Valves under Article 4 (3) of the European legislation for pressure equipment to be accompanied by an adequate instruction for use. “

After the first indent replace the paragraph by the following:

“Valves under Article 4 (3) of the European legislation for pressure equipment may be accompanied with a “statement of conformity” of sound engineering practice. “

9 Modification to Annex A

Delete “PED” in the first paragraph.

Replace the Note by the following:

“NOTE For valves not covered by product standards listed in Table A.1 it is the manufacturer's responsibility to consider either the volume (V) or the nominal size (DN) for the classification of the valve. In case a valve is used as safety accessory or part of, category IV may be requested. “

Replace the Note below Table A.1 by the following:

“NOTE The following tables are based on Table 6 to 9 of Annex II of the European Legislation for Pressure Equipment.”

Delete the Note in Table A.2, Table A.3, Table A.4 and Table A.5.

Delete Table A.6 completely.

10 Modification to Annex Z.A

Replace Annex ZA by the following:

Annex ZA (informative)

Relationship between this European Standard and the essential requirements of Directive 2014/68/EU aimed to be covered

This European Standard has been prepared under a Commission's standardization request M/071 to provide one voluntary means of conforming to essential requirements of Directive 2014/68/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 May 2014 on the harmonization of the laws of the Member States relating to the making available on the market of pressure equipment.

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of that Directive and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Directive 2014/68/EU

Essential Requirements of Directive 2014/68/EU	Clause(s)/subclause(s) of this EN	Remarks/Notes
Annex I Clause 2.1	5.3.4	General design
Annex I Clause 2.2	5.3.2	Design for adequate strength
Annex I Clause 2.2.1	5.3.3	Design loadings factors
Annex I Clause 2.2.2	5.5, Table 2, Table 3	Design for adequate strength (refer 2.2.3 or 2.2.4)
Annex I Clause 2.2.3	5.5, Table 3	Design calculation method
Annex I Clause 2.2.4	5.6	Experimental design method
Annex I Clause 2.6	5.8.2	Corrosion
Annex I Clauses 2.10 a) b)	5.2.1 to 5.2.6	Protection against exceeding the allowable limits of pressure equipment
Annex I Clause 3.1.2	5.2.1	Permanent joining
Annex I Clause 3.1.3	5.2.1	Non destructive tests
Annex I Clause 3.1.4	5.2.1 to 5.2.6	Heat treatment
Annex I Clause 3.1.5	5.2.1	Traceability
Annex I Clause 3.2.1	5.3.4	Final inspection
Annex I Clause 3.2.2	5.3.2	Proof test
Annex I Clauses 3.3 a) b) c)	5.3.3	Marking and labelling
Annex I Clauses 3.4 a) b) c)	5.5, Table 2, Table 3	Operating instructions
Annex I Clause 4.1 a	5.5, Table 3	Material appropriate properties
Annex I Clause 4.1 c	5.6	Material not ageing