

Irish Standard I.S. EN 1171:2015

Industrial valves - Cast iron gate valves

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I.S. EN 1171:2015

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National Foreword

I.S. EN 1171:2015 is the adopted Irish version of the European Document EN 1171:2015, Industrial valves - Cast iron gate valves

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EUROPEAN STANDARD NORME EUROPÉENNE **EUROPÄISCHE NORM**

September 2015

EN 1171

ICS 23.060.30

Supersedes EN 1171:2002

English Version

Industrial valves - Cast iron gate valves

Robinetterie industrielle - Robinets-vannes en fonte

Industriearmaturen - Schieber aus Gusseisen

This European Standard was approved by CEN on 1 August 2015.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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EN 1171:2015 (E)

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EN 1171:2015 (E)

European foreword

This document (EN 1171:2015) 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of an identical text or by endorsement, at the latest by March 2016, and conflicting national standards shall be withdrawn at the latest by March 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1171:2002.

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 97/23/EC (PED).

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

In this new edition, the following modifications were made:

- the normative references were updated in Clause 2 and throughout the text;
- 4.1.1, 4.1.2.1, 4.1.2.3, 4.2.1, 8.1, Annex C and Table ZA.1 were revised to be in compliance with EU Directive 97/23/EC (PED).

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EN 1171:2015 (E)

1 Scope

This European Standard specifies the requirements for cast iron gate valves with flanged ends, socket ends or spigot ends.

This European Standard is applicable to cast iron gate valves mainly used for industrial and general-purpose applications. However, they can be used for other applications provided the requirements of the relevant performance standards are met.

The range of nominal sizes covered is:

DN 40; DN 50; DN 65; DN 80; DN 100; DN 125; DN 150; DN 200; DN 250; DN 300; DN 350; DN 400; DN 450; DN 500; DN 600; DN 700; DN 800; DN 900; DN 1 000.

The range of pressure designations covered is:

- isobaric PN 6; PN 10; PN 16; PN 25;
- isomorphic, PS 10 bar to PS 1 bar at room temperature.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 19:2002, Industrial valves — Marking of metallic valves

EN 545:2010, Ductile iron pipes, fittings, accessories and their joints for water pipelines — Requirements and test methods

EN 558, Industrial valves — Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems — PN and Class designated valves

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 1092-2:1997, Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, PN designated —Part 2: Cast iron flanges

EN 12266-1, Industrial valves — Testing of metallic valves — Part 1: Pressure tests, test procedures and acceptance criteria - Mandatory requirements

EN 12266-2, Industrial valves — Testing of metallic valves — Part 2: Tests, test procedures and acceptance criteria - Supplementary requirements

EN 12351, Industrial valves — Protective caps for valves with flanged connections

EN 12516-3:2002, Valves — Shell design strength — Part 3: Experimental method

EN 12516-4:2014, Industrial valves — Shell design strength — Part 4: Calculation method for valve shells manufactured in metallic materials other than steel



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