

Irish Standard I.S. EN 13789:2010

Industrial valves - Cast iron globe valves

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English Version

Industrial valves - Cast iron globe valves

Robinetterie industrielle - Robinets à soupape en fonte

Industriearmaturen - Ventile aus Gusseisen

This European Standard was approved by CEN on 9 April 2010.

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 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 Management Centre has the same status as the official versions.

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EN 13789:2010 (E)

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EN 13789:2010 (E)

Foreword

This document (EN 13789:2010) 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of an identical text or by endorsement, at the latest by November 2010, and conflicting national standards shall be withdrawn at the latest by November 2010.

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 13789:2002.

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.

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

This document supersedes EN 13789:2002 where the following modifications were made:

- the normative references were updated in Clause 2, in 4.1.3.1, in 4.2.4, in 5.1 and in Table B.1;
- 4.1.1.1 was revised to take into account the publication of EN 12516-4:2008;
- 4.1.2.1, 4.2.1 and Table ZA.1 were revised to be in compliance with EU Directive 97/23/EC (PED);
- Annex B became informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

EN 13789:2010 (E)

1 Scope

This European Standard specifies the requirements for cast iron globe valves in straight, angle or oblique pattern (see EN 736-2) with flanged or threaded end connections.

This European Standard is applicable to cast iron globe 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:

a) flanged:

DN 10; DN 15; DN 20; DN 25; DN 32; DN 40; DN 50; DN 65; DN 80; DN 100; DN 125; DN 150; DN 200; DN 250; DN 350; DN 400.

b) threaded:

1/2, 3/4, 1, 11/4, 11/2, 2.

The range of pressure designations covered is:

c) for flanged end valves:

PN 6; PN 10; PN 16; PN 25; PN 40;

d) for threaded end valves:

PN 6; PN 10; PN 16.

2 Normative references

The following referenced documents are indispensable for the application 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.

EN 19, Industrial valves — Marking of metallic valves

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 736-1:1995, Valves — Terminology — Part 1: Definition of types of valves

EN 736-2:1997, Valves — Terminology — Part 2: Definition of components of valves

EN 736-3:2008, Valves — Terminology — Part 3: Definition of terms

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

EN 1563:1997, Founding — Spheroidal graphite cast irons

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

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

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



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