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Irish Standard  
I.S. EN 13709:2010

# Industrial valves - Steel globe and globe stop and check valves

## I.S. EN 13709:2010

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English Version

## Industrial valves - Steel globe and globe stop and check valves

Robinetterie industrielle - Robinets à soupape et robinets à clapet libre blocable en acier

Industriearmaturen - Absperrventile und absperbare Rückschlagventile aus Stahl

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

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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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## **Foreword**

This document (EN 13709:2010) 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of an identical text or by endorsement, at the latest by November 2010, and conflicting national standards shall be withdrawn at the latest by November 2010.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 13709:2002.

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 13709:2002 where the following modifications were made:

the normative references were updated in Clause 2, in 4.1.1, in 4.1.2, in 4.1.3, in 4.1.7.1, in 4.2.1, in 4.2.4 and in 5.1;

in Table ZA.1, sub-clause 4.1 (instead of Clause 4) was correlated to PED Annex I, section 2.1.

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.

## 1 Scope

This European Standard specifies the requirements for steel globe and globe stop and check valves which are wrought, cast or fabricated in straight, angle or oblique pattern with end connections flanged, butt welding, socket welding or threaded.

This standard is applicable to steel globe and globe stop and check 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 8; DN 10; DN 12; 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 300; DN 350; DN 400.

DN 8 and DN 12 are not used for PN designated flanged end connections.

DN 8, DN 10 and DN 12 are not used for Class designated flanged end connections.

Socket welding end valves and threaded end valves are limited to the range DN 8 to DN 65.

The range of pressure designations covered is:

a) for flanged and butt welding end valves:

- 1) PN 10; PN 16; PN 25; PN 40; PN 63; PN 100;
- 2) Class 150; Class 300; Class 600.

b) for socket welding end valves and threaded end valves:

- 3) PN 40; PN 63; PN 100;
- 4) Class 600; Class 800.

NOTE Class 800 is a Class designation widely used for socket welding and threaded end valves.

## 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 287-1:2004, *Qualification test of welders — Fusion welding — Part 1: Steels*

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*

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