



NSAI
Standards

Irish Standard
I.S. EN 1984:2010

Industrial valves - Steel gate valves

I.S. EN 1984:2010

Incorporating amendments/corrigenda/National Annexes issued since publication:

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NSAI 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie
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EUROPEAN STANDARD

EN 1984

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2010

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Supersedes EN 1984:2000

English Version

Industrial valves - Steel gate valves

Robinetterie industrielle - Robinets-vannes en acier

Industriearmaturen - Schieber aus Stahl

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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Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 1984:2010) 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of an identical text or by endorsement, at the latest by November 2010, and conflicting national standards shall be withdrawn at the latest by November 2010.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 1984:2000.

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.

- 1) The normative references were updated in Clauses 2, 4, 5, 8.
- 2) The Bibliography was deleted;
- 3) In Table ZA.1, sub-clauses 4.2.3 and 5.1 were correlated to PED Annex I, sections 3.2.2 and 7.4;
- 4) In Table ZA.1, sub-clause 4.1 was correlated to PED Annex I, section 2.1.

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1 Scope

This European Standard specifies the requirements for steel gate valves which are wrought, cast or fabricated with end connections flanged, butt welding, socket welding or threaded.

This European Standard is applicable to steel 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 ranges 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 450; DN 500; DN 600; DN 700; DN 750; DN 800; DN 900; DN 1000.

DN 750 is used for Class designated valves only.

DN 8 and DN 12 are not used for 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 valves

1) PN 10; PN 16; PN 25; PN 40; PN 63; PN 100

2) Class 150; Class 300; Class 600

b) for butt welding end valves

1) PN 10, PN 16, PN 25, PN 40, PN 63, PN 100

2) Class 150, Class 300, Class 600

c) for socket welding end valves and threaded end valves

1) PN 10; PN 16; PN 25; PN 40; PN 63; PN 100

2) Class 600; Class 800

NOTE 1 Socket welding end and threaded end valves are not normally manufactured with the pressure designations PN 10, PN 16, PN 25 and PN 40.

NOTE 2 Class 800 is an intermediate 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, *Qualification test of welders — Fusion welding — Part 1: Steels*

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