

Industrial valves — Steel gate valves

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ICS 23.060.30

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 15 and a back cover.

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This British Standard, having been prepared under the direction of the Engineering Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 April 2000

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Amendments issued since publication

Amd. No.	Date	Comments

ISBN 0 580 35958 1

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 6 November 1999.

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Foreword

This European Standard 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of an identical text or by endorsement, at the latest by July 2000, and conflicting national standards shall be withdrawn at the latest by July 2000.

This European Standard 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(s).

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

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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 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:

DN8; DN10; DN12; DN15; DN20; DN25; DN32; DN40; DN50; DN65; DN80; DN100; DN125; DN150; DN200; DN250; DN300; DN350; DN400; DN450; DN500; DN600; DN700; DN750; DN800; DN900; DN1000

DN750 is used for Class designated valves only.

DN8 and DN12 are not used for flanged end connections.

Socket welding end valves and threaded end valves are limited to the range DN8 to DN65.

The range of pressure designations covered is:

a) for flanged valves

b)
PN10; PN16; PN25; PN40; PN63; PN100

Class 150; Class 300; Class 600

c) for butt welding end valves

d)
PN10, PN16, PN25, PN40, PN63, PN100

Class 150, Class 300, Class 600

e) for socket welding end valves and threaded end valves

f)
PN10; PN16; PN25; PN40; PN63; PN100

Class 600; Class 800

The progress of work of the various standards referred to in the normative references can require revision of this standard.

NOTE 1 Socket welding end and threaded end valves are not normally manufactured with the pressure designations PN10, PN16, PN25 and PN40.

NOTE 2 Class 800 is an intermediate class designation widely used for socket welding and threaded end valves.

2 Normative references

This European standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revision to any of these publications apply to this European standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 287-1, *Approval testing of welders — Fusion welding — Part 1: Steels*

EN 288-1, *Specification and qualification of welding procedures for metallic materials – Part 1: General rules for fusion welding*

EN 558-1, *Industrial valves — Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems — Part 1: PN-designated valves*