

Industrial-process control valves —

Part 1: Control valve terminology and general considerations

The European Standard EN 60534-1:1993 has the status of a
British Standard

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Industrial-process Measurement and Control Standards Committee (PCL/-) to Technical Committee PCL/1 upon which the following bodies were represented:

- British Coal
- British Gas plc
- British Pressure Gauge Manufacturers' Association
- Department of Energy (Gas and Oil Measurement Branch)
- Department of Trade and Industry (National Weight and Measures Laboratory)
- Energy Industries Council
- Engineering Equipment and Materials Users' Association
- GAMBICA (BEAMA Ltd.)
- Health and Safety Executive
- Institution of Gas Engineers

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- British Chemical Engineering Contractors' Association
- British Steel Corporation
- British Valve Manufacturers' Association Ltd.
- Department of Trade (National Engineering Laboratory)
- Department of Trade and Industry (National Physical Laboratory)
- Electricity Supply Industry in England and Wales
- Engineering Industries Association
- Institute of Metals
- SIRA Ltd.

This British Standard, having been prepared under the direction of the Industrial-process Measurement and Control Standards Committee, was published under the authority of the Board of BSI and comes into effect on 28 February 1989

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National foreword

This Part of BS 5793 has been prepared under the direction of the Industrial-process Measurement and Control Standards Committee. It is identical with IEC Publication 534-1:1987 “*Industrial-process control valves — Part 1: Control valve terminology and general considerations*”, published by the International Electrotechnical Commission (IEC).

In 1993 the European Committee for Electrotechnical Standardization (CENELEC) accepted IEC 534-1:1987 as European Standard EN 60534-1:1993. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 60534-1 and any reference to BS 5793-1 should be read as a reference to BS EN 60534-1.

Terminology and conventions. The text of the international standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

Where the words “IEC Publication 534” appear in clause 1, they should be read as “BS 5793”.

Where the words “parts of IEC Publication 534” appear in clause 1 and note 2 to 4.2, they should be read as “Parts of BS 5793”.

Cross-references

International standard	Corresponding British Standard
	BS 5793 Industrial-process control valves
IEC 534-2-1:1978	Section 2.1:1979 Sizing equations for incompressible fluid under installed conditions (Identical)
IEC 534-2-2:1980	Section 2.2:1981 Sizing equations for compressible fluid flow under installed conditions (Identical)
IEC 534-2-3:1983	Section 2.3:1984 Methods of test (Identical)
IEC 534-3-2:1984	Section 3.2:1985 Specification for face-to-face dimensions for flangeless control valves except wafer butterfly valves (Identical)
IEC 534-4:1982	Part 4:1987 Specification for inspection and routine testing (Identical)
IEC 534-5:1984	Part 5:1984 Specification for marking (Identical)
IEC 534-8-1:1986	Section 8.1:1986 Method for laboratory measurement of noise generated by aerodynamic flow through control valves (Identical)

The Sections of Parts of IEC 534 referred to in clause 2 as “In preparation” will become identical Sections of Parts of BS 5793 when published as IEC documents in a form acceptable to the Industrial-process Measurement and Control Standards Committee.

The Technical Committee has reviewed the provisions of IEC 534-3-1, ¹⁾ISO 2084, ISO 2229, ISO 6708 and ISO 7268 (with Amendment 1), to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

¹⁾ ISO = International Organization for Standardization.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

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This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

