



# SLOVENSKI STANDARD

## SIST EN 60534-1:1998

01-november-1998

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### Industrial-process control valves - Par1: Control valve terminology and general considerations (IEC 60534-1:1987)

Industrial-process control valves -- Part 1: Control valve terminology and general considerations

Stellventile für die Prozeßregelung -- Teil 1: Begriffe und allgemeine Betrachtungen

iTeh STANDARD PREVIEW

Vannes de régulation des processus industriels -- Partie 1: Terminologie des vannes de régulation et considérations générales

SIST EN 60534-1:1998

Ta slovenski standard je istoveten z: EN 60534-1:1993

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#### ICS:

23.060.40	V æ } ǎ^* ~  æ   lǎ	Pressure regulators
25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control

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EUROPEAN STANDARD

EN 60534-1

NORME EUROPEENNE

EUROPÄISCHE NORM

March 1993

UDC 621.646.2-553.4:681.523:681.533.38:001.4

Descriptors: Industrial-process, control valves, basic definitions, control valves classification, flow coefficient test for control valves, seat leakage for control valves

## ENGLISH VERSION

Industrial-process control valves  
Part 1: Control valve terminology and  
general considerations  
(IEC 534-1:1987)

Vannes de régulation des  
processus industriels  
Première partie: Terminologie  
des vannes de régulation et  
considérations générales  
(CEI 534-1:1987)

Stellventile für die  
Prozeßregelung  
Teil 1: Begriffe und allgemeine  
Betrachtungen  
(IEC 534-1:1987)

STANDARD PREVIEW  
(standards.iteh.ai)

SIST EN 60534-1:1998

This European Standard was approved by CENELEC on 1992-12-09.

CENELEC 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 Central Secretariat or to any CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

## CENELEC

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B-1050 Brussels

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 534-1:1987 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60534-1 on 9 December 1992.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1993-12-01
- latest date of withdrawal of conflicting national standards (dow) 1993-12-01

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

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ENDORSEMENT NOTICE  
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The text of the International Standard IEC 534-1:1987 was approved by CENELEC as a European Standard without any modification.

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## ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD  
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

When the international publication has been modified by CENELEC common modifications, indicated by (mod), the relevant EN/HD applies.

IEC Publication -----	Date -----	Title -----	EN/HD -----	Date -----
534-2-1*	1978	Industrial-process control valves Part 2: Flow capacity Section One - Sizing equations for incompressible fluid flow under installed conditions	EN 60534-2-1	1993
534-2-2	1980	Section Two - Sizing equations for compressible fluid flow under installed conditions	EN 60534-2-2	1993
534-2-3	1983	Section Three - Test procedures	EN 60534-2-3	1993
534-2-4	1989	Section Four - Inherent flow characteristics and rangeability	-	-
534-3-1*	1976	Part 3: Dimensions Section One - Face-to-face dimensions for flanged, two-way, globe-type control valves	-	-
534-3-2	1984	Section Two - Face-to-face dimensions for flangeless control valves except wafer butterfly valves	-	-
534-4	1982	Part 4: Inspection and routine testing	-	-
534-5	1982	Part 5: Marking	-	-
534-8-1	1986	Part 8: Noise considerations Section One - Laboratory measurement of noise generated by aerodynamic flow through control valves	-	-
534-8-2	1991	Industrial-process control valves Part 8: Noise considerations Section 2: Laboratory measurement of noise generated by hydrodynamic flow through control valves	EN 60534-8-2	1993
534-8-3 (in preparation)	-	Section 3: Prediction of noise generated by aerodynamic flow through control valves	-	-
534-8-4 (65B(CO)86)	-	Section 4: Prediction of noise generated by hydrodynamic flow	-	-

\* Published as IEC 534-2 and 534-3 respectively

Other publications

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ISO 2084:1974 - Pipeline flanges for general use - Metric series  
Mating dimensions

ISO 2229:1973 - Equipment for the petroleum and natural gas industries  
Steel pipe flanges, nominal sizes 1/2 to 24 in - Metric  
dimensions

ISO 6708:1980 - Pipe components - Definition of nominal size

ISO 7268:1983 - Pipe components - Definition of nominal pressure  
with amendment 1:1984

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# NORME INTERNATIONALE INTERNATIONAL STANDARD

CEI  
IEC  
534-1

Deuxième édition  
Second edition  
1987



Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

## Vannes de régulation des processus industriels

Première partie: Terminologie des vannes de régulation et considérations générales

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## Industrial-process control valves

Part 1: Control valve terminology and general considerations

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**INDUSTRIAL-PROCESS CONTROL VALVES****Part 1: Control valve terminology and general considerations**

## FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

## PREFACE

This standard has been prepared by Sub-Committee 65B: Elements of systems, of IEC Technical Committee No. 65: Industrial-process measurement and control.

The text of this standard is based on the following documents:

Six Months' Rule	Report on Voting
65B(CO)49	65B(CO)56

Full information on the voting for the approval of this standard can be found in the Voting Report indicated in the above table.