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Industrial-process control valves - Part 4: Inspection and routine testing

## EESTI STANDARDI EESSÕNA

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See Eesti standard EVS-EN IEC 60534-4:2022 sisaldab Euroopa standardi EN IEC 60534-4:2022 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 60534-4:2022 consists of the English text of the European standard EN IEC 60534-4:2022.
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**EN IEC 60534-4**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2022

ICS 23.060

Supersedes EN 60534-4:2006 and all of its amendments  
and corrigenda (if any)

English Version

**Industrial-process control valves - Part 4: Inspection and routine  
testing  
(IEC 60534-4:2021)**

Vannes de régulation des processus industriels - Partie 4:  
Inspection et essais individuels de série  
(IEC 60534-4:2021)

Stellventile für die Prozessregelung - Teil 4: Abnahme und  
Prüfungen  
(IEC 60534-4:2021)

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## European foreword

The text of document 65B/1208/FDIS, future edition 4 of IEC 60534-4:2021, prepared by SC 65B "Measurement and control devices" of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60534-4:2022.

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IEC 61298 (series) NOTE Harmonized as EN 61298 (series)

ISO 15848-2 NOTE Harmonized as EN ISO 15848-2

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60534 (series)	-	Industrial-process control valves	EN 60534 (series)	-

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Industrial-process control valves –  
Part 4: Inspection and routine testing**

**Vannes de régulation des processus industriels –  
Partie 4: Inspection et essais individuels de série**



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IEC Central Office  
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CH-1211 Geneva 20  
Switzerland

Tel.: +41 22 919 02 11  
[info@iec.ch](mailto:info@iec.ch)  
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# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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**Industrial-process control valves –  
Part 4: Inspection and routine testing**

**Vannes de régulation des processus industriels –  
Partie 4: Inspection et essais individuels de série**

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ICS 23.060

ISBN 978-2-8322-1059-3

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## INDUSTRIAL-PROCESS CONTROL VALVES –

### Part 4: Inspection and routine testing

#### FOREWORD

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IEC 60534-4 has been prepared by subcommittee 65B: Measurement and control devices, of IEC technical committee 65: Industrial-process measurement, control and automation. It is an International Standard.

This fourth edition cancels and replaces the third edition published in 2006. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) remove details about hydrostatic test but state that to be performed according to valve design code;
- b) include mandatory test for valve packing;
- c) put in evidence limits of reduced differential pressure seat leakage test procedure;
- d) introduce details about low temperature seat leakage test;
- e) extend dimensional range for leakage class VI to less than 25 mm and over 400 mm seat diameter;

f) include stroking time tests.

The text of this International Standard is based on the following documents:

Draft	Report on voting
65B/1208/FDIS	65B/1211/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

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