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**BS EN 60534-8-3:2011**



BSI Standards Publication

# Industrial-process control valves

Part 8-3: Noise considerations —  
Control valve aerodynamic noise  
prediction method

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This British Standard is the UK implementation of EN 60534-8-3:2011. It is identical to IEC 60534-8-3:2010. It supersedes BS EN 60534-8-3:2000 which will be withdrawn on 1 January 2014.

The UK participation in its preparation was entrusted by Technical Committee GEL/65, Measurement and control, to Subcommittee GEL/65/2, Elements of systems.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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ICS 17.140.20; 23.060.40; 25.040.40

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 June 2011.

#### **Amendments issued since publication**

<b>Amd. No.</b>	<b>Date</b>	<b>Text affected</b>
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**EUROPÄISCHE NORM**

January 2011

ICS 17.140.20; 23.060.40; 25.040.40

Supersedes EN 60534-8-3:2000

English version

**Industrial-process control valves -  
Part 8-3: Noise considerations -  
Control valve aerodynamic noise prediction method  
(IEC 60534-8-3:2010)**

Vannes de régulation des processus  
industriels -  
Partie 8-3: Considérations sur le bruit -  
Méthode de prédiction du bruit  
aérodynamique des vannes de régulation  
(CEI 60534-8-3:2010)

Stellventile für die Prozessregelung -  
Teil 8-3: Geräuschbetrachtungen -  
Berechnungsverfahren zur Vorhersage  
der aerodynamischen Geräusche von  
Stellventilen  
(IEC 60534-8-3:2010)

This European Standard was approved by CENELEC on 2011-01-01. 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, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**CENELEC**

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

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## Foreword

The text of document 65B/765/FDIS, future edition 3 of IEC 60534-8-3, prepared by IEC/SC 65B, Devices & process analysis, of IEC TC 65, Industrial-process measurement, control and automation, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60534-8-3 on 2011-01-01.

This European Standard supersedes EN 60534-8-3:2000.

The significant technical changes with respect to EN 60534-8-3:2000 are as follows:

- predicting noise as a function of frequency;
- using laboratory data to determine the acoustical efficiency factor.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- |  |       |            |
|--|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2011-10-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn   | (dow) | 2014-01-01 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60534-8-3:2010 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

- |                   |      |                             |
|-------------------|------|-----------------------------|
| [1] IEC 60534-2-1 | NOTE | Harmonized as EN 60534-2-1. |
| [2] IEC 60534-8-1 | NOTE | Harmonized as EN 60534-8-1. |
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## Annex ZA (normative)

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

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.

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

<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
IEC 60534-1	-	Industrial-process control valves - Part 1: Control valve terminology and general considerations	EN 60534-1	-

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