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BS EN 60534-8-2:2011



BSI Standards Publication

Industrial-process control valves

Part 8-2: Noise considerations —
Laboratory measurement of noise
generated by hydrodynamic flow
through control valves

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This British Standard is the UK implementation of EN 60534-8-2:2011. It is identical to IEC 60534-8-2:2011. It supersedes BS EN 60534-8-2:1993, which will be withdrawn on 16 November 2014.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.

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Amendments issued since publication

Date	Text affected
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English version

**Industrial-process control valves -
Part 8-2: Noise considerations -
Laboratory measurement of noise generated by hydrodynamic flow
through control valves
(IEC 60534-8-2:2011)**

Vannes de régulation des processus industriels -
Partie 8-2: Considérations sur le bruit -
Mesure en laboratoire du bruit créé par un écoulement hydrodynamique dans une vanne de régulation
(CEI 60534-8-2:2011)

Stellventile für die Prozeßregelung -
Teil 8-2: Geräuschemission -
Laboratoriumsmessungen von Geräuschen bei flüssigkeitsdurchströmten Stellventilen
(IEC 60534-8-2:2011)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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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/801/FDIS, future edition 2 of IEC 60534-8-2, prepared by SC 65B, "Devices & process analysis", of IEC/TC 65, "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60534-8-2:2011.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-08-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-11-16

This document supersedes EN 60534-8-2:1993.

EN 60534-8-2:2011 constitutes a technical revision that includes internal noise measurement.

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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 60534-1	2005	Industrial-process control valves - Part 1: Control valve terminology and general considerations	EN 60534-1	2005
IEC 60534-2-3	1997	Industrial-process control valves - Part 2-3: Flow capacity - Test procedures	EN 60534-2-3	1998
IEC 60534-8-4	-	Industrial-process control valves - Part 8-4: Noise considerations - Prediction of noise generated by hydrodynamic flow	EN 60534-8-4	-
IEC 61672-1	2002	Electroacoustics - Sound level meters - Part 1: Specifications	EN 61672-1	2003
ISO 3744	1994	Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering method in an essentially free field over a reflecting plane	EN ISO 3744	1995 ¹⁾
ISO 3745	2003	Acoustics - Determination of sound power levels of noise sources using sound pressure - Precision methods for anechoic and hemi- anechoic rooms	EN ISO 3745	2003

¹⁾ EN ISO 3744:1995 is superseded by EN ISO 3744:2010.

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