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NSAI Standards

Irish Standard
I.S. EN ISO 3822-3:1997

Acoustics - Laboratory tests on noise emission from appliances and equipment used in water supply installations - Part 3: Mounting and operating conditions for in-line valves and appliances

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I.S. EN ISO 3822-3:1997

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NSAI Standards

Amendment
I.S. EN ISO 3822-3:1997/A1:2009

Acoustics - Laboratory tests on noise emission from appliances and equipment used in water supply installations - Part 3: Mounting and operating conditions for in-line valves and appliances - Amendment 1 (ISO 3822-3:1997/Amd 1:2009)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 3822-3:1997/A1

November 2009

ICS 17.140.20; 91.140.60

English Version

Acoustics - Laboratory tests on noise emission from appliances and equipment used in water supply installations - Part 3: Mounting and operating conditions for in-line valves and appliances - Amendment 1 (ISO 3822-3:1997/Amd 1:2009)

Acoustique - Mesurage en laboratoire du bruit émis par les robinetteries et les équipements hydrauliques utilisés dans les installations de distribution d'eau - Partie 3: Conditions de montage et de fonctionnement des robinetteries et des équipements hydrauliques en ligne - Amendement 1 (ISO 3822-3:1997/Amd 1:2009)

Akustik - Prüfung des Geräuschverhaltens von Armaturen und Geräten der Wasserinstallation im Laboratorium - Teil 3: Anschluss- und Betriebsbedingungen für Durchgangsarmaturen - Änderung 1 (ISO 3822-3:1997/Amd 1:2009)

This amendment A1 modifies the European Standard EN ISO 3822-3:1997; it was approved by CEN on 1 October 2009.

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Foreword

This document (EN ISO 3822-3:1997/A1:2009) has been prepared by Technical Committee ISO/TC 43 "Acoustics" in collaboration with Technical Committee CEN/TC 126 “Acoustic properties of building elements and of buildings” the secretariat of which is held by AFNOR.

This Amendment to the European Standard EN ISO 3822:1997 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2010, and conflicting national standards shall be withdrawn at the latest by May 2010.

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

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Endorsement notice

The text of ISO 3822-3:1997/Amd 1:2009 has been approved by CEN as a EN ISO 3822-3:1997/A1:2009 without any modification.

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I.S. EN ISO 3822-3:1997/A1:2009

INTERNATIONAL STANDARD

ISO 3822-3

First edition
1997-02-01

AMENDMENT 1
2009-11-01

Acoustics — Laboratory tests on noise emission from appliances and equipment used in water supply installations —

Part 3: Mounting and operating conditions for in-line valves and appliances

AMENDMENT 1

Acoustique — Mesurage en laboratoire du bruit émis par les robinetteries et les équipements hydrauliques utilisés dans les installations de distribution d'eau —

Partie 3: Conditions de montage et de fonctionnement des robinetteries et des équipements hydrauliques en ligne

AMENDEMENT 1

Reference number
ISO 3822-3:1997/Amd.1:2009(E)

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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

Amendment 1 to ISO 3822-3:1997 was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 2, *Building acoustics*.

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Introduction

EN 1567:1999[1)] specifies only a Q_N; Q_2 and Q_1 are not specified. For example, the Q_N given for DN15 is 0,35 l/s, which is lower than Q_2 = 0,38 l/s as specified in ISO 3822-3:1997, Table 2. This amendment makes ISO 3822-3:1997 compatible with EN 1567:1999.

1) EN 1567:1999, *Building valves — Water pressure reducing valves and combination water pressure reducing valves — Requirements and tests.*

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DECLARATION

OF

SPECIFICATION

ENTITLED

ACOUSTICS - LABORATORY TESTS ON NOISE EMISSION FROM APPLIANCES AND EQUIPMENT USED IN WATER SUPPLY INSTALLATIONS - PART 3: MOUNTING AND OPERATING CONDITIONS FOR IN-LINE VALVES AND APPLIANCES

AS

THE IRISH STANDARD SPECIFICATION FOR

ACOUSTICS - LABORATORY TESTS ON NOISE EMISSION FROM APPLIANCES AND EQUIPMENT USED IN WATER SUPPLY INSTALLATIONS - PART 3: MOUNTING AND OPERATING CONDITIONS FOR IN-LINE VALVES AND APPLIANCES

NSAI in exercise of the power conferred by section 16 (3) of the National Standards Authority of Ireland Act, 1966 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Acoustics - Laboratory tests on noise emission from appliances and equipment used in water supply installations - Part 3: Mounting and operating conditions for in-line valves and appliances) Declaration,1997.

2. (1) The Specification set forth in the schedule to this declaration is hereby declared to be the standard specification for Acoustics - Laboratory tests on noise emission from appliances and equipment used in water supply installations - Part 3: Mounting and operating conditions for in-line valves and appliances. The Schedule comprises the text of EN ISO 3822-3:1997.

(2) The said standard specification may be cited as Irish Standard EN ISO 3822-3:1997 or as I.S. EN ISO 3822-3:1997.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

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January 1997

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Descriptors: See ISO document

English version

Acoustics - Laboratory tests on noise emission from appliances and equipment used in water supply installations - Part 3: Mounting and operating conditions for in-line valves and appliances (ISO 3822-3:1997)

Acoustique - Mesurage en laboratoire du bruit émis par les robinetteries et les équipements hydrauliques utilisés dans les installations de distribution d'eau - Partie 3: Conditions de montage et de fonctionnement des robinetteries et des équipements hydrauliques en ligne (ISO 3822-3:1997)

Akustik - Prüfung des Geräuschverhaltens von Armaturen und Geräten der Wasserinstallation im Laboratorium - Teil 3: Anschluß- und Betriebsbedingungen für Durchgangsarmaturen (ISO 3822-3:1997)

This European Standard was approved by CEN on 1996-05-09. CEN 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.

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Ref. No. EN ISO 3822-3:1997 E

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Foreword

The text of EN ISO 3822-3:1997 has been prepared by Technical Comittee CEN/TC 126 "Acoustic properties of building components and of buildings" the secretariat of which is held by AFNOR in collaboration with the Technical Comittee ISO/TC 43 "Acoustics".

The content of this part of the European Standard EN ISO 3822 is not identical with the International Standard ISO 3822-3:1984 "Acoustics - Laboratory test on noise emission from appliances and equipment used in water supply installations - Part 3 : Mounting and operating conditions for in-line valves and appliances".

Working group CEN/TC 126/WG 3 was instructed, in May 88, to examine and take into account the comments on ISO 3822-3, following the primary questionnaire.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 1997, and conflicting national standards shall be withdrawn at the latest by July 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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0 Introduction

The method of measurement for laboratory tests on noise emission from appliances and equipment used in water supply installations is specified in EN.ISO 3822-1.

This part of EN ISO 3822 gives detailed descriptions for mounting and operating in-line valves and appliances, which control the flow, pressure or temperature of the water in water supply installations in such laboratory tests.

NOTE : An in-line valve is one through which water flows and which is permanently installed in a system of rigid pipework upstream of the outlet fitting.

These in-line valves and appliances are for use with cold and/or hot water in buildings (stopcocks, check valves, in-line thermostatic and mechanical mixing valves, domestic water meters, valve combinations for installation in water heater feed pipes, pressure reducing valves, flow restrictors, water governors, service valves, in-line temperature and pressure relief valves, etc.).

1 Scope

This part of EN ISO 3822 specifies the mounting and operating conditions to be used for in-line valves and appliances which control the flow, pressure or temperature of the water in water supply installations, when measuring noise emission resulting from water flow

It is applicable to in-line valves and appliances of maximum nominal size DN 32 [1)] and to systems in which the maximum water flow rate does not exceed 2 l/s.

The procedure described are for general use for all types of in-line valves of conventional design.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

ISO 7/1	Pipe threads where pressure-tight joints are made on the threads - Part 1: Designation, dimensions and tolerances
ISO 49	Malleable cast iron fittings threaded to ISO 7/1
ISO 274	Copper tubes of circular section - Dimensions
EN ISO 3822-1	Acoustics - Laboratory tests on noise emission from appliances and equipment used in water supply installations - Part 1: Method of measurement
ISO 6708	Pipe components - Definition of nominal size

[1)] See ISO 6708 ; DN is the symbol for "nominal size". The number of the nominal size is loosely related to the inside diameter (in millimetres) of the in-line valves and appliances.

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