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Second edition  
1997-02-01

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

**Part 4:  
Mounting and operating conditions for special  
appliances**

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

*Partie 4: Conditions de montage et de fonctionnement des équipements  
spéciaux*



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ISO 3822-4:1997(E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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.

International Standard ISO 3822-4 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee TC 43, *Acoustics*, Subcommittee SC 2, *Building acoustics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 3822-4:1985), which has been technically revised.

ISO 3822 consists of the following parts, under the general title *Acoustics — Laboratory tests on noise emission from appliances and equipment used in water supply installations*:

- *Part 1: Method of measurement*
- *Part 2: Mounting and operating conditions for draw-off taps and mixing valves*
- *Part 3: Mounting and operating conditions for in-line valves and appliances*
- *Part 4: Mounting and operating conditions for special appliances*

Annexes A, B, C and D form an integral part of this part of ISO 3822. Annex E is for information only.

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## Foreword

The text of EN ISO 3822-4 :1997 has been prepared by Technical Committee CEN/TC 126 "Acoustic properties of building components and of buildings" the secretariat of which is held by AFNOR in collaboration with the Technical Committee ISO/TC 43 "Acoustics".

The content of this part of the European Standard EN ISO 3822 is not identical with the International Standard ISO 3822-4:1985 "Acoustics - Laboratory tests on noise emission from appliances and equipment used in water supply installations - Part 4 : Mounting and operating conditions for special appliances".

Working group CEN/TC 126/WG 3 was instructed, in May 88, to examine and take into account the comments on ISO 3822-4, 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.

## 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.

The mounting and operating conditions for draw-off taps and mixing valves are described in EN ISO 3822-2 whereas EN ISO 3822-3 describes the mounting and operating conditions for in-line valves and appliances.

This part of EN ISO 3822 describes the mounting and operating conditions for laboratory tests of appliances of such construction that they cannot easily be considered as draw-off or in-line appliances, e.g. water heaters, shower heads, etc.