

<b>STN</b>	<b>Akustika</b> <b>Laboratórne skúšky emisie hluku z armatúr a</b> <b>zariadení používaných vo vodovodných</b> <b>inštaláciách</b> <b>Časť 3: Montážne a prevádzkové podmienky</b> <b>prietokových ventilov a ostatných armatúr (ISO</b> <b>3822-3: 2018)</b>	<b>STN</b> <b>EN ISO 3822-3</b>  73 0536
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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 3822-3:2018)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/18

Obsahuje: EN ISO 3822-3:2018, ISO 3822-3:2018

Oznámením tejto normy sa ruší  
STN EN ISO 3822-3 (73 0536) z mája 2001

**126810**

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 3822-3**

February 2018

ICS 17.140.20; 91.140.60

Supersedes EN ISO 3822-3:1997

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 3822-3:2018)**

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 3822-3:2018)

Akustik - Prüfung des Geräuschverhaltens von  
Armaturen und Geräten der Wasserinstallation im  
Laboratorium - Teil 3: Anschluss- und  
Betriebsbedingungen für Durchgangsarmaturen (ISO  
3822-3:2018)

This European Standard was approved by CEN on 4 January 2018.

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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN ISO 3822-3:2018 (E)****Contents**

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## **European foreword**

This document (EN ISO 3822-3:2018) 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 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 August 2018, and conflicting national standards shall be withdrawn at the latest by August 2018.

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

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According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **Endorsement notice**

The text of ISO 3822-3:2018 has been approved by CEN as EN ISO 3822-3:2018 without any modification.

# INTERNATIONAL STANDARD

**ISO**  
**3822-3**

Third edition  
2018-01

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## **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**

*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*



Reference number  
ISO 3822-3:2018(E)

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**ISO 3822-3:2018(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by ISO/TC 43, *Acoustics*, Subcommittee SC 2, *Building acoustics*.

This third edition cancels and replaces the first edition (ISO 3822-3:1997), which has been technically revised. It also incorporates the Amendment ISO 3822-3:1997/Amd 1:2009.

A list of all the parts in the ISO 3822series can be found on the ISO website.



## Introduction

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

This document 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 (stop valves, 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.).



# 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

### 1 Scope

This document 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 and to systems in which the maximum water flow rate does not exceed 1,6 l/s.

NOTE 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.

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

### 2 Normative references

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.

ISO 49, *Malleable cast iron fittings threaded to ISO 7-1*

ISO 3822-1, *Acoustics — Laboratory tests on noise emission from appliances and equipment used in water supply installations — Part 1: Method of measurement*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**