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**BS EN 1113:2015**



**BSI Standards Publication**

# **Sanitary tapware — Shower hoses for sanitary tapware for water supply systems of type 1 and type 2 — General technical specification**

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This British Standard is the UK implementation of EN 1113:2015. It supersedes BS EN 1113:2008+A1:2011 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/504, Water supply.

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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English Version

## Sanitary tapware - Shower hoses for sanitary tapware for water supply systems of type 1 and type 2 - General technical specification

Robinetterie sanitaire - Flexibles de douches pour robinetterie sanitaire pour les systèmes d'alimentation type 1 et type 2 - Spécifications techniques générales

Sanitärarmaturen - Brauseschläuche für Sanitärarmaturen für Wasserversorgungssysteme vom Typ 1 und Typ 2 - Allgemeine technische Spezifikation

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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. 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 CEN 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 CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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## Foreword

This document (EN 1113:2015) has been prepared by Technical Committee CEN/TC 164 "Water supply", 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 October 2015, and conflicting national standards shall be withdrawn at the latest by October 2015.

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.

This document supersedes EN 1113:2008+A1:2011.

The main change to this standard is the introduction of 2 classes for hoses for supply systems of type 1. See Table 1 and Table 3.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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## Introduction

In respect of potential adverse effects on the quality of water intended for human consumption caused by the product covered by this European Standard:

- This European Standard provides no information as to whether the product may be used without restriction in any of the Member States of the EU or EFTA.
- While awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of this product remain in force.

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## 1 Scope

This European Standard specifies:

- the dimensional, leaktightness, mechanical and hydraulic characteristics with which shower hoses should comply;
- the procedures for testing these characteristics.

This European Standard applies to shower hoses of any material used for ablutionary purposes and intended for equipping and supplementing sanitary tapware for baths and showers.

This European Standard applies to shower hoses connected downstream of the obturator of the tapware.

Hoses which are an integral part of sanitary tapware (sink and wash basin mixing valves) or hoses intended to connect sanitary tapware to the water supplies are not covered by this European Standard.

Details of pressures and temperatures are given in Table 1.

**Table 1 — Conditions of use/Classifications**

Water Supply system	Operating range of shower hoses		Flow rates
	Limits	Recommended	See Table 3
Type 1 see Figure 1	<u>Dynamic Pressure</u> (0,05 to 0,5) MPa [(0,5 to 5) bar]	<u>Dynamic Pressure</u> (0,1 to 0,3) MPa [(1,0 to 3,0) bar]	Class 1 0,42 l/s ≤ Q (25,2 l/min ≤ Q) at (0,3 <sub>0</sub> <sup>+0,02</sup> ) MPa [(3 <sub>0</sub> <sup>+0,2</sup> ) bar]
			Class 2 0,20 l/s ≤ Q < 0,42 l/s (12 l/min ≤ Q < 25,2 l/min) at (0,3 <sub>0</sub> <sup>+0,02</sup> ) MPa [(3 <sub>0</sub> <sup>+0,2</sup> ) bar]
Type 2 see Figure 2	<u>Dynamic Pressure</u> (0,01 to 0,2) MPa [(0,1 to 2) bar]	<u>Dynamic Pressure</u> (0,02 to 0,10) MPa [(0,2 to 1,0) bar]	Class E 0,06 l/s < Q < 0,18 l/s (3,6 l/min < Q < 10,8 l/min.) at (0,01 <sub>0</sub> <sup>+0,0005</sup> ) MPa [(0,1 <sub>0</sub> <sup>+0,005</sup> ) bar]
			Class H 0,18 l/s ≤ Q (10,8 l/min ≤ Q) at (0,01 <sub>0</sub> <sup>+0,0005</sup> ) MPa [(0,1 <sub>0</sub> <sup>+0,005</sup> ) bar]
Temperature	T ≤ 70°C	T ≤ 42°C	