SLOVENSKI STANDARD
SIST EN 1113:2009/kFprA1:2010

01-september-2010

Sanitarne armature - Gibke cevi za sanitarne armature sistemov za oskrbo z vodo tipa 1 in tipa 2 - Splošne tehnične zahteve

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

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

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

Ta slovenski standard je istoveten z: **EN 1113:2008/FprA1**

ICS:

23.040.70	Gumene cevi in armature	Hoses and hose assemblies
91.140.70	Sanitarne naprave	Sanitary installations

SIST EN 1113:2009/kFprA1:2010 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

FINAL DRAFT EN 1113:2008

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ICS 23.040.70; 91.140.70

English Version

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 draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 164.

This draft amendment A1, if approved, will modify the European Standard EN 1113:2008. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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

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Foreword

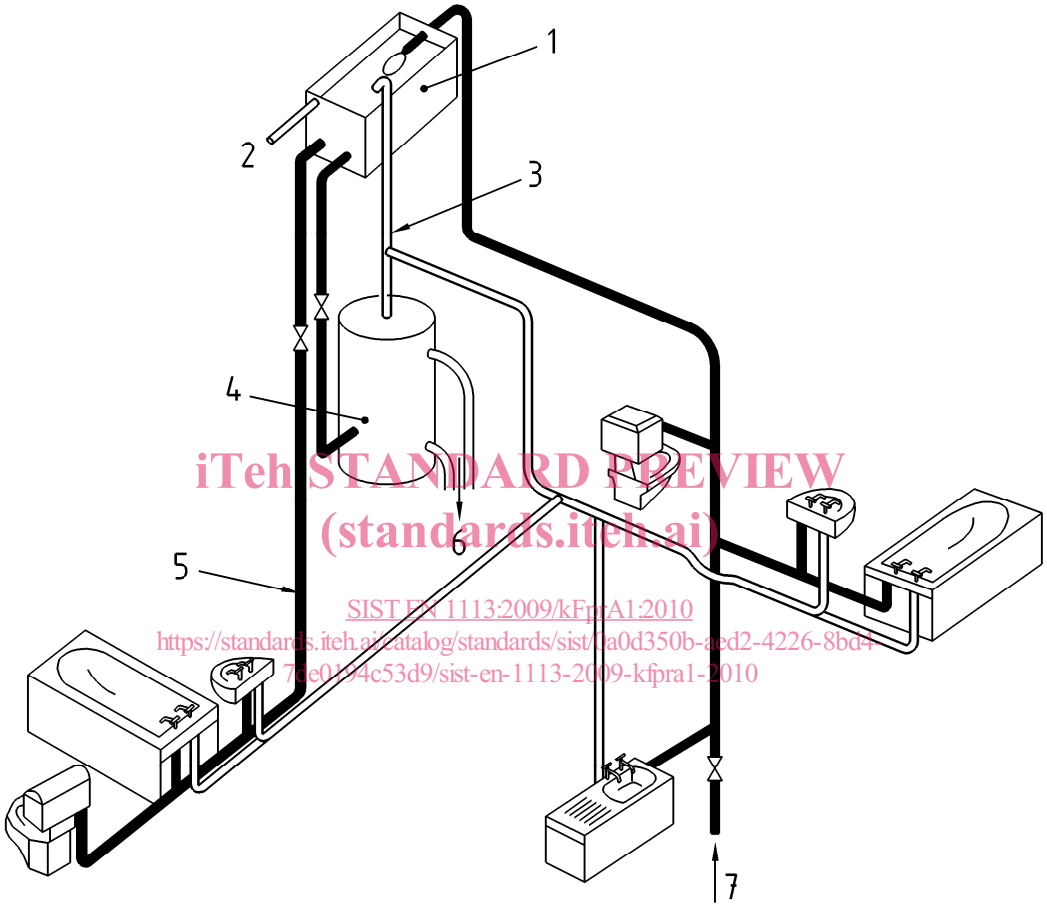
This document (EN 1113:2008/FprA1:2010) has been prepared by Technical Committee CEN/TC 164 “Water supply”, the secretariat of which is held by AFNOR.

This document is currently submitted to the Unique Acceptance Procedure.

1 Modification to the Scope

Replace Figure 2 with the following one:

"



Key

1 cold water storage cistern (cover omitted for clarity)

2 warning pipe

3 vent pipe

4 hot water cylinder

5 alternative cistern fed cold supply to sanitary appliances

6 to boiler

7 mains supply pipe (Supply pressures up to 10 bar)

Figure 2 — Type 2 Water supply system - with a pressure range of (0,01 - 1.0) MPa, (0,1 - 10) bar. A vented domestic hot water and cold water supply system incorporating gravity hot water, mains cold water and alternative gravity cold water supply to sanitary appliances"

2 Modification to 8.2

Replace the entire exiting text in 8.2 with the following:

"8.2 Flow rate

8.2.1 Test method

This clause describes a method for testing the flow rate of hoses.

8.2.2 Principle

The principle consists of a method for measuring the flow rate through the shower hose using cold water (T ≤ 30 °C) in order to determine the flow rate class (See Table 1).

8.2.3 Apparatus

The test apparatus shown in Figure 6, comprises:

A supply circuit comprising:

— a means for measuring and maintaining the required pressure of Table 1 with an accuracy of ± 1 % of the test value;

— a device for measuring the flow rate with an accuracy of 2 % of the test value;

— a DN15 regulating valve;

— a straight DN15 pipe;

— a pressure take off tee (See Figure 7);

— a pressure measuring device with an accuracy of ± 1 %.

A test circuit comprising:

— a support to maintain the hose in a straight and horizontal position.

8.2.4 Procedure

— Connect the G 1/2 size nut of the shower hose to the pressure take off tee, supporting the hose in a horizontal position.

— Apply the required dynamic pressure using the horizontal axis of the hose as a datum.

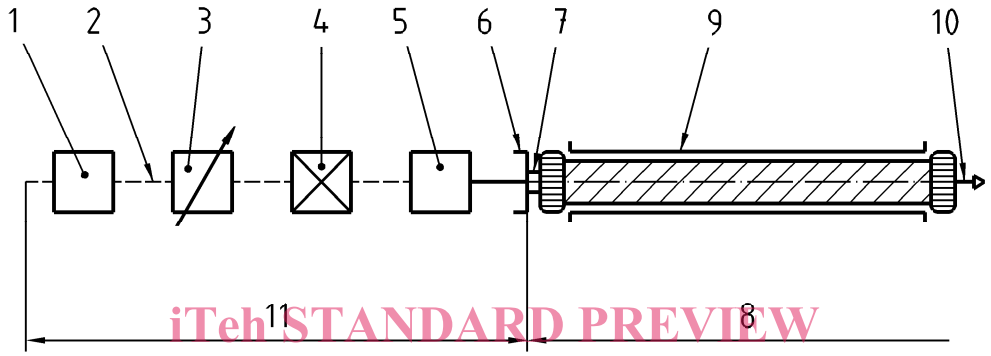
— Record the flow rate "Q" after stabilisation.

8.2.5 Requirements

Shower hoses shall be classified according to the flow rate value "*Q*" at the required pressure shown in Table 3.

Table 3 - Flow rate classes

Supply system		Flow rate / pressure
Of Type 1		Min. 0,42 L/s at (0,3 + 0,02) MPa, [(3 + 0,2) bar]
Of Type 2	Class E	0,06 L/s < Q < 0,18 L/s (3,6 L/min < Q < 10,8 L/min.) at (0,01 + 0,005) MPa [(0,1 + 0,05) bar]
	Class H	0,18 L/s ≤ Q (10,8 L/min ≤ Q) at (0,01 + 0,005) MPa [(0,1 + 0,05) bar]



Key

11 a supply circuit:

1 a means for supplying and maintaining the required pressures and temperatures

2 a pipe

3 a device for measuring the flow rate with an accuracy of 2 % of the test value

4 a stop valve

5 a pressure measuring device with an accuracy of ± 1 %

6 a temperature measuring device with an accuracy of ± 1 °C

7 a hose connector

8 a test circuit:

9 a rigid tube for supporting the hose

10 a free outlet

Figure 6 — Flow rate test rig

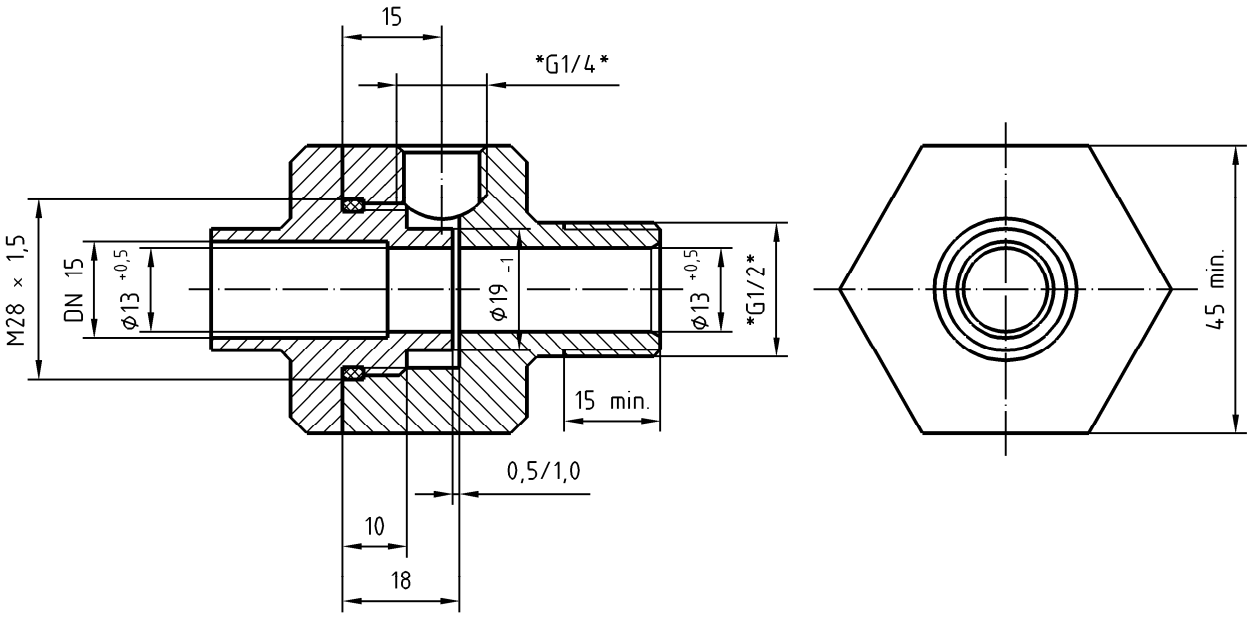


Figure 7 — Pressure take-off tee (unspecified tolerances ± 0,5)"

3 Modification to the keys of Figure 9

Replace the first indent of paragraph 1 with the following:

— "capable of rotating through an angle of 180° starting in position (a) turning anticlockwise to position (b) and returning clockwise to position (a);"

4 Modification to 9.3.4

Replace the existing text in indent 3 with the following:

— "Rotate the shaft at a speed of (20 ± 5) cycles per minute for 5 000 cycles (one cycle is the movement from (a) to (b) and back again)."

5 Modification to 9.3.5

Replace the existing text with the following:

"There shall be no reduction in air pressure rupture and no permanent deformation that will affect the function of the hose. In order to verify that the function of the hose is maintained, the hose shall then be subjected to a water tightness test using cold water at ≤ 30 °C at an appropriate pressure as specified in Table 4 for (120 ± 10) s."