



**SLOVENSKI STANDARD**  
**SIST EN 16146:2013/kFprA1:2014**  
**01-julij-2014**

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**Sanitarne armature - Izvlečljive gibke cevi za sanitarne armature sistemov za oskrbo z vodo tipa 1 in tipa 2 - Splošna tehnična specifikacija**

Sanitary tapware - Extractable shower hoses for sanitary tapware for supply systems type 1 and type 2 - General technical specification

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

Robinetterie sanitaire - Flexibles de douchettes extractibles 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 16146:2012/FprA1**

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**ICS:**

91.140.70      Sanitarne naprave      Sanitary installations

**SIST EN 16146:2013/kFprA1:2014      en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**FINAL DRAFT**  
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ICS 91.140.70

English Version

## Sanitary tapware - Extractable shower hoses for sanitary tapware for supply systems 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 16146:2012. 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.

This draft amendment was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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## Foreword

This document (EN 16146:2012/FprA1:2014) 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.

## EN 16146:2012/FprA1:2014 (E)

## 1 Modification to Clause 1, Scope

Replace the whole Table 1 with the following one:

Table 1 — Conditions of use/Classifications

Water supply system	Operating range of hoses for extractable outlets		Flow rates ( $Q$ ) <sup>a</sup>
	Limits	Recommended	
Type 1 see Figure 1	<u>Dynamic Pressure</u> $0,05 \text{ MPa} \leq P \leq 0,5 \text{ MPa}$ ( $0,5 \text{ bar} \leq P \leq 5 \text{ bar}$ )	<u>Dynamic Pressure</u> $0,1 \text{ MPa}$ to $0,3 \text{ MPa}$ ( $1,0 \text{ bar}$ to $3,0 \text{ bar}$ )	Class 1: Min. $0,25 \text{ l/s}$ ( $15 \text{ l/min}$ )
			Class 2: Min. $0,15 \text{ l/s}$ ( $9 \text{ l/min}$ )
Type 2 see Figure 2	<u>Dynamic Pressure</u> $0,01 \text{ MPa}$ to $0,2 \text{ MPa}$ ( $0,1 \text{ bar}$ to $2,0 \text{ bar}$ )	<u>Dynamic Pressure</u> $0,02 \text{ MPa}$ to $0,10 \text{ MPa}$ ( $0,2 \text{ bar}$ to $1,0 \text{ bar}$ )	Class E: $0,06 \text{ l/s} < Q < 0,18 \text{ l/s}$ ( $3,6 \text{ l/min} < Q < 10,8 \text{ l/min.}$ )
			Class H: $0,18 \text{ l/s} \leq Q$ ( $10,8 \text{ l/min} \leq Q$ )
Temperature	$T \leq 70^\circ\text{C}$	$T \leq 60^\circ\text{C}$	
<sup>a</sup> See details in Table 3.			

## 2 Modification to 8.2.5, Requirements

Replace the whole Table 3 with the following one:

Table 3 — Flow rate classes

Supply system		Flow rate / Pressure
Type 1	Class 1	Min. $0,25 \text{ l/s}$ ( $15 \text{ l/min}$ ) at $(0,3_0^{+0,02}) \text{ MPa}$ ( $(3_0^{+0,2}) \text{ bar}$ )
	Class 2	Min. $0,15 \text{ l/s}$ ( $9 \text{ l/min}$ ) at $(0,3_0^{+0,02}) \text{ MPa}$ ( $(3_0^{+0,2}) \text{ bar}$ )
Type 2	Class E	$0,06 \text{ l/s} < Q < 0,18 \text{ l/s}$ ( $3,6 \text{ l/min} < Q < 10,8 \text{ l/min}$ ) at $(0,01_0^{+0,002}) \text{ MPa}$ ( $(0,1_0^{+0,02}) \text{ bar}$ )
	Class H	$0,18 \text{ l/s} \leq Q$ ( $10,8 \text{ l/min} \leq Q$ ) at $(0,01_0^{+0,002}) \text{ MPa}$ ( $(0,1_0^{+0,02}) \text{ bar}$ )