

SLOVENSKI STANDARD**kSIST FprEN 13618:2016****01-junij-2016**

Gibljivi cevni priključki v inštalacijah za pitno vodo - Funkcionalne zahteve in preskusne metode

Flexible hose assemblies in drinking water installations - Functional requirements and test methods

Flexible Schlauchverbindungen in Trinkwasser-Installationen - Funktionsanforderungen und Prüfverfahren

Tuyaux flexibles pour installations d'eau potable - Exigences fonctionnelles et méthodes d'essai

Ta slovenski standard je istoveten z: FprEN 13618

ICS:

23.040.70	Gumene cevi in armature	Hoses and hose assemblies
91.140.60	Sistemi za oskrbo z vodo	Water supply systems

kSIST FprEN 13618:2016**en,fr,de**

**EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM**

**FINAL DRAFT
FprEN 13618**

April 2016

ICS 23.040.70; 91.140.60

Will supersede EN 13618:2011

English Version

**Flexible hose assemblies in drinking water installations -
Functional requirements and test methods**

Tuyaux flexibles pour installations d'eau potable -
Exigences fonctionnelles et méthodes d'essai

Flexible Schlauchverbindungen in Trinkwasser-
Installationen - Funktionsanforderungen und
Prüfverfahren

This draft European Standard is submitted to CEN members for formal vote. It has been drawn up by the Technical Committee CEN/TC 164.

If this draft becomes a European Standard, 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.

This draft European Standard 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.

CEN members are the national standards bodies of 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 United Kingdom.

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.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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

Contents

	Page
European foreword.....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	6
4 Requirements	7
4.1 Materials.....	7
4.1.1 General.....	7
4.1.2 Chemical and hygienic requirements	7
4.1.3 Hoses.....	7
4.1.4 Fittings and sleeves	8
4.1.5 Braiding	8
4.1.6 Sealings	8
4.2 Functional requirements.....	8
4.2.1 General.....	8
4.2.2 Fittings	9
4.2.3 Hose assemblies.....	12
5 Designation.....	15
6 Marking.....	15
Annex A (normative) Tests on fittings.....	17
A.1 Dimensions and thread control	17
A.2 Ammonium test.....	17
A.3 Tightening test	17
A.3.1 Test samples	17
A.3.2 Procedure.....	17
A.4 Bending test	18
A.4.1 Test samples	18
A.4.2 Procedure.....	18
Annex B (normative) Hose assembly tests.....	21
B.1 Flow rate test	21
B.1.1 Test samples	21
B.1.2 Procedure.....	21
B.2 Ageing treatment by hot storage	22
B.2.1 Test samples	22
B.2.2 Procedure.....	22
B.3 Tensile test	22
B.3.1 Test samples	22
B.3.2 Procedure.....	22
B.4 Hydrostatic pressure test.....	22
B.4.1 Test samples	22
B.4.2 Procedure.....	22
B.5 Hydraulic performance and durability test.....	23
B.5.1 Test samples	23
B.5.2 Test conditions.....	23
B.5.3 Procedure.....	23

B.6	Test of resistance to pressure jumps.....	24
B.6.1	Test samples.....	24
B.6.2	Test conditions	24
B.6.3	Procedure	24
B.7	Temperature cycling test.....	24
B.7.1	Test samples.....	24
B.7.2	Procedure	25
B.8	Corrosion resistance test.....	25
B.8.1	Test samples.....	25
B.8.2	Procedure	25
B.9	Bending test.....	25
B.9.1	Test samples.....	25
B.9.2	Procedure	25
B.10	Test of resistance to frost	27
B.10.1	Test samples.....	27
B.10.2	Procedure	27
Annex C (informative) Surveillance testing.....		28
Bibliography		29

FprEN 13618:2016 (E)

European foreword

This document (FprEN 13618:2016) 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.

This document will supersede EN 13618:2011.