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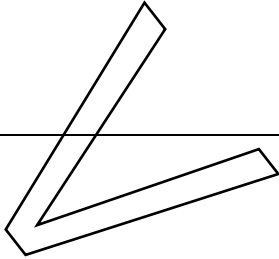
NEN-EN 15266/Ontw. A1

Stainless steel pliable corrugated tubing kits in buildings for gas with an operating pressure up to 0,5 bar

Publicatie uitsluitend voor commentaar

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Voorbeeld
Preview

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

FINAL DRAFT
EN 15266:2007

FprA1

October 2011

ICS 23.040.01

English Version

Stainless steel pliable corrugated tubing kits in buildings for gas with an operating pressure up to 0,5 bar

Kits de tuyaux onduleux pliables en acier inoxydable pour le gaz dans les bâtiments avec une pression de service inférieure ou égale à 0,5 bar

Nichtrostende biegbare Wellrohrbausätze in Gebäuden für Gas mit einem Arbeitsdruck bis 0,5 bar

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 342.

This draft amendment A1, if approved, will modify the European Standard EN 15266:2007. 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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Draft
 For Review

Foreword

This document (EN 15266:2007/FprA1:2011) has been prepared by Technical Committee CEN/TC 342 "Metal hoses, hose assemblies, bellows and expansion joints", the secretariat of which is held by SNV.

This document is currently submitted to the Unique Acceptance Procedure.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

Forbiede
Preview

1 Modification to Introduction

Add at the end of the introduction the following paragraph:

"This European Standard defines performance requirements for the products to be placed on the European Economic Area EEA. Products complying with this European Standard are subjected to the national provisions regarding installation."

2 Modification to 4.2

The text of sub-clause 4.2 shall be replaced as follows: "

4.2.1 Pliable tubing

The material for the pliable tubing (see Table 1) shall be austenitic stainless steel and the grade shall be chosen according to long term suitability for the gas conveyed, the environment, the conditions under which it will be used and the suitability for fabrication, e.g. welding, cold forming, as appropriate. Due regard shall be taken of the quality of the gas conveyed, possible variation in the composition, and possible development of corrosive agents both internally and externally

NOTE 1 Examples of possible corrosive agents include:

- internal: combinations of sulphur, oxygen, moisture, etc.;
- external: coastal and general environmental influence, building materials, etc..

NOTE 2 The material of the pliable tubing directly affects the safety of the works (building and civil engineering) in which the tubing kit is installed and the durability performance of the tubing kit itself.

4.2.2 Cover, PLT fittings and PLT supports

PLT fittings shall provide a tight connection to the pliable tubing. PLT fittings, whether surface finished or not, shall be manufactured from materials listed in Table 1.

Table 1 — Materials

Component	Material
Pliable tubing	Austenitic stainless steel according to EN 10028-7 ^a
Cover	Synthetic material ^b
PLT fittings, manifold and tees	Stainless steel according to EN 10088-3, copper alloys according to EN 12164 and EN 12165 Malleable cast iron according to EN 10242 types W 400-05; W 350-04; B 350-10 or B 300-06
Supports	Metallic corrosion resistant material
^a See NOTE 1. ^b See 4.10. A material containing at least 57 % copper and not more than 3,5 % lead for copper PLT fittings, PLT manifold and tees is an example of the percentages presenting an appropriate resistance against stress corrosion cracking and dezincification.	

NOTE 1 The choice of material for pliable tubing should relate to the composition of the gas conveyed and the external environment (see Table 2, extract from EN ISO 10380).

Table 2 — Typical classification of materials for corrosion resistance

Corrosion resistance class	Description	Material grade	Examples
A	Basic corrosion resistance	Stainless steels	1.4306 1.4541
B	Good corrosion resistance	Mo-alloyed stainless steels	1.4404 1.4401

NOTE 2 For example, the addition of biogas may increase oxygen and moisture content."

3 Modification to 5.1.1

In the first paragraph, "Table 11" shall be replaced with "Table 13" to read as follows:

"The number and the type of PLT kit samples to be tested, the tests and the compliance criteria shall be as given in 6.2.2, Table 13."

The second paragraph shall be replaced with the following:

"If any nominal size fails one of the tests within the test sequence schedule given in 5.1.3, Table 4, then all samples of that nominal size will be deemed to have failed to meet the type test requirements of this European Standard."

In the third indent, "Table 2" shall be replaced with "Table 3" to read as follows: "

— the tests performed will qualify the other sizes in the same family as specified in Table 3."

The numbering of the table shall be replaced with the following: "

Table 3 — Test requirements".

4 Modification to 5.1.3

In the first paragraph, "Table 3" shall be replaced with "Table 4" to read as follows:

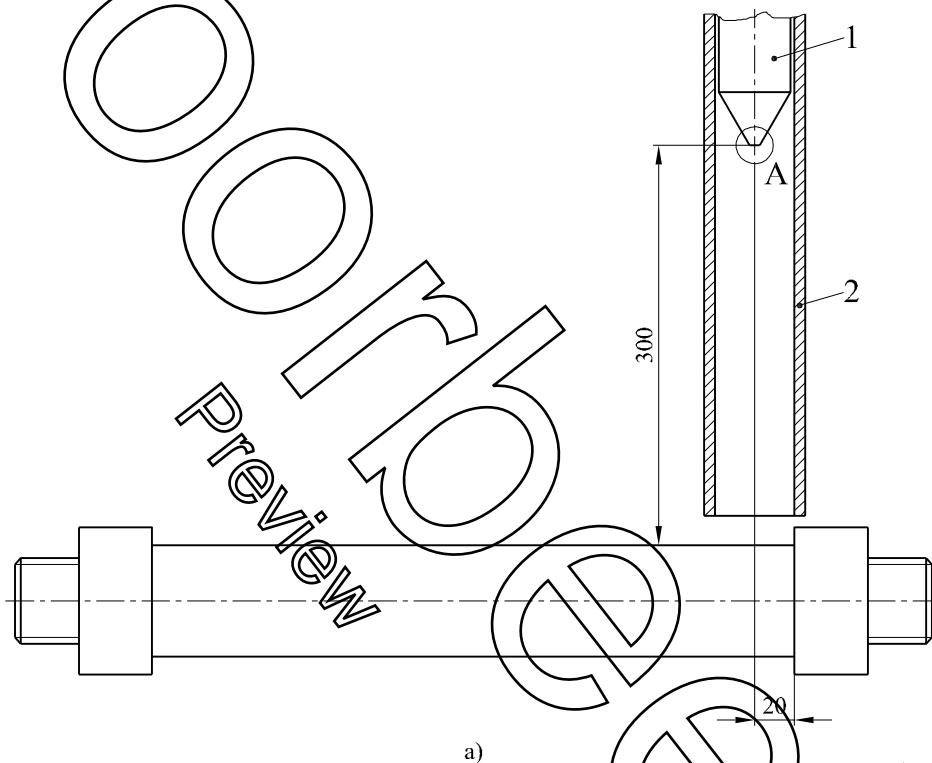
"Table 4 gives the sequence to be followed for each test."

The numbering of the table shall be replaced with the following: "

Table 4 — System test sequence schedule".

5 Modification to 5.10.2

Figure 8 a) shall be put into line with the first sentence; replace Figure 8 a) with the following: "



6 Modification to 5.12.2.2.2

In the first paragraph, "Table 4" shall be replaced with "Table 5" to read as follows:

"The test method shall be as given in Table 5."

The numbering of the table shall be replaced with the following: "

Table 5 — Household cleaning agent test".

7 Modification to 5.12.2.3.2

In the first paragraph, "Table 5" shall be replaced with "Table 6" to read as follows:

"The test method shall be as given in Table 6."

The numbering of the table shall be replaced with the following: "

Table 6 — Hydrochloric acid test".

8 Modification to 5.12.2.4.2

In the first paragraph, "Table 6" shall be replaced with "Table 7" to read as follows:

"The test method shall be as given in Table 7."

The numbering of the table shall be replaced with the following: "

Table 7 — Salt spray test".

9 Modification to 5.14.2

In the first paragraph, "Table 7" shall be replaced with "Table 8" to read as follows:

"The 24 hour ageing test detailed in Table 8 shall be performed continuously 7 times on the same PLT kit sample."

The numbering of the table shall be replaced with the following: "

Table 8 — Details of one 24 hour cycle".

10 Modification to 5.17.1

In the first paragraph, "Table 8" shall be replaced with "Table 9" to read as follows:

"A PLT kit shall be electrically conductive. The value of resistance shall not exceed those specified in Table 9."

The numbering of the table shall be replaced with the following: "

Table 9 — Resistance values for the electrical conductivity test".

11 Modification to 5.18

Replace existing 5.18 with the following: "

5.18 Pressure drop

5.18.1 Requirements

For each component of the PLT kit, the manufacturer shall declare the relationship between flow rate and pressure drop. This relationship shall be validated using the test rig given in 5.18.2 and the test method given in 5.18.3.

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