

ICS 23.040.70

English Version

Corrugated safety metal hose assemblies for the connection domestic appliance using gaseous fuels

Tuyaux flexibles métalliques onduleux de sécurité pour le
raccordement d'appareils à usage domestique utilisant des
gaz combustibles

Gewellte, metallene Sicherheits-Gasschlauchleitungen für
den Anschluss von Haushalts-Gasgeräten

This European Standard was approved by CEN on 6 December 2006.

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Foreword

This document (EN 14800:2007) has been prepared by Technical Committee CEN/TC 236 "Non industrial manually operated shut-off valves for gas and particular combinations valves-other products", the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by September 2007, and conflicting national standards shall be withdrawn at the latest by December 2008.

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 89/106/EC.

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

For corrugated metal gas hose assemblies pre-installed to a gas appliance and put on the market as one unit the Gas Appliance Directive is applicable. Additional requirements may apply.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This European Standard contains product characteristics relating to the safety of persons, animal and property and the protection of their environment.

The objective of this European Standard is to achieve safe operation of corrugated metal gas hose assemblies by specifying the requirements of performance, materials and test methods.

These assemblies are designed for the use with fixed applications; they may also be used for the connection of movable applications.

This European Standard is based on a balance of requirements given by the major national European Gas Authorities for corrugated metal hose assemblies for the connection of domestic gas appliances.

It reflects the recognised practise and technology of products approved today as well as the present culture of usage by the consumer.

The European Standard describes two product types, one with an unrestricted bending radius and one with a restricted bending radius.

The introduction of new technologies supported by National Gas Authorities can require the adoption of this European Standard regarding individual requirements and tests.

Attention is drawn to the need for careful quality control as given in EN ISO 9001.

1 Scope

This European Standard specifies the requirements of performance, the material and the test methods of corrugated safety metal gas hose assemblies for the connection of domestic appliances, in order to achieve safe operation.

The corrugated metal gas hose assemblies according to this European Standard are suitable for the connection of domestic appliances inside or outside a dwelling, using gas at a pressure lower than 0,5 bar.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 437:2003, *Test gases — Test pressures — Appliance categories*

EN 549, *Rubber materials for seals and diaphragms for gas appliances and gas equipment*

EN 1418, *Welding personnel — Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials*

EN 1775:1998, *Gas supply — Gas pipework for buildings — Maximum operating pressure ≤ 5 bar — Functional recommendations*

EN 13133, *Brazing — Brazer approval*

EN 13134, *Brazing — Procedure approval*

EN 13501-1:2006, *Fire classification of construction products and building elements — Part 1: Classification using test data from reaction to fire tests*

EN 13823, *Reaction to fire tests for building products — Building products excluding floorings exposed to the thermal attack by a single burning item*

prEN 15069:2004, *Safety gas connection valves for metal hose assemblies used for the connection of domestic appliances using gaseous fuel*

EN ISO 9001:2000, *Quality management systems — Requirements (ISO 9001:2000)*

EN ISO 9227, *Corrosion tests in artificial atmospheres — Salt spray tests (ISO 9227:2006)*

EN ISO 10380, *Pipework — Corrugated metal hoses and hose assemblies (ISO 10380:2003)*

EN ISO 11925-2, *Reaction to fire tests — Ignitability of building products subjected to direct impingement of flame — Part 2: Single-flame source test (ISO 11925-2:2002)*