SLOVENSKI STANDARD
SIST EN ISO 5771:2000

01-december-2000

Gumene cevi ter cevni priključ ki za prenos brezvodnega amoniaka - Specifikacija (vključ no s popravkom 1:1995)

Rubber hose and hose assemblies for transferring anhydrous ammonia - Specification (including Corr 1:1995)

Gummischläuche und Schlauchleitungen für den Transport von wasserfreiem Ammoniak - Anforderungen (einschließlich Corr 1:1995)

Tuyaux et flexibles en caoutchouc pour le transfert d'ammoniac anhydre - Spécifications (inclus Corr 1:1995)

Ta slovenski standard je istoveten z: **EN ISO 5771:1996**

ICS:

23.040.70	Gumene cevi in armature	Hoses and hose assemblies

SIST EN ISO 5771:2000 **en**

EUROPEAN STANDARD

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English version

Rubber hose and hose assemblies for transferring anhydrous ammonia - Specification (including Corr 1:1995)

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This European Standard was approved by CEN on 1996-02-26. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart,36 B-1050 Brussels

Foreword

The text of the International Standard from Technical Committee ISO/TC 45 "Rubber and rubber products" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 218 "Rubber and plastics hoses and hose assemblies", the secretariat of which is held by BSI.

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publication of an identical text or by endorsement, at the latest by November 1996, and conflicting standards shall be withdrawn at the latest by November 1996.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 5771:1994 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

Annex ZA (normative)
Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

Publication	Year	Title	EN	Year
ISO 4671	1984	Rubber and plastics hose and hose assemblies - Methods of measurement of dimensions	EN 24671	1993
ISO 4672	1988	Rubber and plastics hoses - Sub-ambient temperature flexibility tests	EN 24672	1993
ISO 7326	1991	Rubber and plastics hoses - Assessment of ozone resistance under static conditions	EN 27326	1993
ISO 8033	1991	Rubber and plastics hose - Determination of adhesion between components	EN 28033	1993

INTERNATIONAL STANDARD

ISO 5771

Second edition
1994-10-01

Rubber hose and hose assemblies for transferring anhydrous ammonia — Specification

Tuyaux et flexibles en caoutchouc pour le transfert d'ammoniac anhydre — Spécifications

Reference number
ISO 5771:1994(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 5771 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

This second edition cancels and replaces the first edition (ISO 5771:1981), which has been technically revised.

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Rubber hose and hose assemblies for transferring anhydrous ammonia — Specification

1 Scope

This International Standard specifies the minimum requirements for rubber hose used for transferring ammonia, in liquid or in gaseous form, at ambient temperatures between – 40 °C and + 55 °C. It does not include specifications for end fittings, but is limited to the performance of the hose and hose assemblies.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 37:1994, *Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties.*

ISO 188:1982, *Rubber, vulcanized — Accelerated ageing or heat-resistance tests.*

ISO 471:—[1], *Rubber — Times, temperatures and humidities for conditioning and testing.*

ISO 1402:—[2], *Rubber and plastics hoses and hose assemblies — Hydrostatic testing.*

ISO 4671:1984, *Rubber and plastics hose and hose assemblies — Methods of measurement of dimensions.*

ISO 4672:1988, *Rubber and plastics hoses — Sub-ambient temperature flexibility tests.*

ISO 7326:1991, *Rubber and plastics hoses — Assessment of ozone resistance under static conditions.*

ISO 8033:1991, *Rubber and plastics hose — Determination of adhesion between components.*

3 Pressure rating

The pressure rating of the hose shall comply with the requirements of table 1.

Table 1 — Pressure requirements

Parameter	Pressure requirements	
	MPa	bar
Maximum working pressure	2,5	25
Proof test pressure	6,3	63
Minimum burst pressure	12,5	125

1) To be published. (Revision of ISO 471:1983 and ISO 1826:1981)

2) To be published. (Revision of ISO 1402:1984)