



NSAI
Standards

Irish Standard
I.S. EN ISO 6806:2017

Rubber hoses and hose assemblies for use in oil burners - Specification (ISO 6806:2017)

I.S. EN ISO 6806:2017

Incorporating amendments/corrigenda/National Annexes issued since publication:

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This document is based on:

EN ISO 6806:2017

Published:

2017-06-21

*This document was published
under the authority of the NSAI
and comes into effect on:*

2017-07-09

ICS number:

27.060.10

83.140.40

NOTE: If blank see CEN/CENELEC cover page

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National Foreword

I.S. EN ISO 6806:2017 is the adopted Irish version of the European Document EN ISO 6806:2017, Rubber hoses and hose assemblies for use in oil burners - Specification (ISO 6806:2017)

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EUROPEAN STANDARD

EN ISO 6806

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2017

ICS 83.140.40; 27.060.10

Supersedes EN ISO 6806:2014

English Version

Rubber hoses and hose assemblies for use in oil burners - Specification (ISO 6806:2017)

Tuyaux et flexibles en caoutchouc pour brûleurs à fuel -
Spécifications (ISO 6806:2017)

Gummischläuche und Schlauchleitungen für den
Einsatz in Ölbrennern - Anforderung (ISO 6806:2017)

This European Standard was approved by CEN on 3 February 2017.

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EN ISO 6806:2017 (E)

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European foreword

This document (EN ISO 6806:2017) has been prepared by Technical Committee ISO/TC 45 “Rubber and rubber products” in collaboration with 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of an identical text or by endorsement, at the latest by December 2017, and conflicting national standards shall be withdrawn at the latest by December 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 6806:2017 has been approved by CEN as EN ISO 6806:2017 without any modification.

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INTERNATIONAL STANDARD

**ISO
6806**

Fourth edition
2017-06

Rubber hoses and hose assemblies for use in oil burners — Specification

*Tuyaux et flexibles en caoutchouc pour brûleurs à fuel —
Spécifications*



Reference number
ISO 6806:2017(E)

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ISO 6806:2017(E)



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ISO 6806:2017(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Rubber and plastics hoses and hose assemblies*.

This fourth edition cancels and replaces the third edition (ISO 6806:2014), which has been technically revised with the following changes:

- [Table 3](#) has been amended;
- [Clause 10](#) has been amended.

Rubber hoses and hose assemblies for use in oil burners — Specification

1 Scope

This document specifies the minimum requirements for rubber hoses and hose assemblies for use in oil burners.

The following two types of hose assembly are specified.

- Type 1: Hose assemblies for flux and reflux, but not for insertion between the oil burner pump and the atomizing connection; maximum working pressure 1,0 MPa (10 bar); maximum oil temperature 100 °C.
- Type 2: Hose assemblies for insertion between the oil burner pump and the atomizing connection; maximum working pressure 4,0 MPa (40 bar); maximum oil temperature 100 °C.

The hose assemblies specified in this document are not intended to be used, without special assessment, for purposes other than oil burner installations.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 48, *Rubber, vulcanized or thermoplastic — Determination of hardness (hardness between 10 IRHD and 100 IRHD)*

ISO 1307, *Rubber and plastics hoses — Hose sizes, minimum and maximum inside diameters, and tolerances on cut-to-length hoses*

ISO 1402, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing*

ISO 1436, *Rubber hoses and hose assemblies — Wire-braid-reinforced hydraulic types for oil-based or water-based fluids — Specification*

ISO 1817, *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids*

ISO 4671, *Rubber and plastics hoses and hose assemblies — Methods of measurement of the dimensions of hoses and the lengths of hose assemblies*

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

ISO 8330, *Rubber and plastics hoses and hose assemblies — Vocabulary*

ISO 10619-2:2011, *Rubber and plastics hoses and tubing — Measurement of flexibility and stiffness — Part 2: Bending tests at sub-ambient temperatures*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8330 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>

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