



SLOVENSKI STANDARD
SIST EN ISO 24450:2006

01-februar-2006

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Laboratory glassware - Wide-necked boiling flasks (ISO 24450:2005)

Laborgeräte aus Glas - Erlenmeyer-, Rund- und Stehkolben, weithalsig (ISO 24450:2005)

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Verrerie de laboratoire - Fioles coniques et ballons a col large (ISO 24450:2005)

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Ta slovenski standard je istoveten z: **EN ISO 24450:2005**

ICS:

71.040.20	Laboratorijska posoda in aparati	Laboratory ware and related apparatus
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SIST EN ISO 24450:2006

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 24450

November 2005

ICS 71.040.20

English Version

**Laboratory glassware - Wide-necked boiling flasks (ISO
24450:2005)**

Verrerie de laboratoire - Fioles coniques et ballons à col
large (ISO 24450:2005)

Laborgeräte aus Glas - Erlenmeyer-, Rund- und
Stehkolben, weithalsig (ISO 24450:2005)

This European Standard was approved by CEN on 28 October 2005.

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.

This European Standard exists 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.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 24450:2005 (E)**Foreword**

This document (EN ISO 24450:2005) has been prepared by Technical Committee ISO/TC 48 "Laboratory glassware and related apparatus" in collaboration with Technical Committee CEN/TC 332 "Laboratory equipment", the secretariat of which is held by DIN.

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 May 2006, and conflicting national standards shall be withdrawn at the latest by May 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 24450:2005 has been approved by CEN as EN ISO 24450:2005 without any modifications.

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INTERNATIONAL
STANDARD

ISO
24450

First edition
2005-11-01

**Laboratory glassware — Wide-necked
boiling flasks**

Verrerie de laboratoire — Fioles coniques et ballons à col large

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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.

ISO 24450 was prepared by Technical Committee ISO/TC 48, *Laboratory glassware and related apparatus*, Subcommittee SC 6, *Laboratory and volumetric ware*.

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Laboratory glassware — Wide-necked boiling flasks

1 Scope

This International Standard specifies requirements and dimensions for an internationally acceptable series of conical flasks and of flat-bottom and round-bottom flasks with wide neck for general laboratory purpose. The flasks are provided for

- direct use in laboratory, fitting together with other equipment for general laboratory purposes;
- further work up to other products.

NOTE For narrow-necked boiling flasks, ISO 1773 applies. For boiling flasks with conical ground joints, see ISO 4797.

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.

ISO 3585, *Borosilicate glass 3.3 — Properties*
<https://standards.iteh.ai/catalog/standards/sist/4e072fb0-ac6a-48be-a23e-8c264aflbae5/sist-en-iso-24450-2006>

3 Series and capacities

3.1 Series of nominal capacity

The series of nominal capacities of wide-necked conical flasks is as follows (given in millilitres):

50 — 100 — 250 — 500 — 1 000

The series of nominal capacities of wide-necked round-bottom flasks is as follows (given in millilitres):

50 — 100 — 250 — 500 — 1 000 — 2 000 — 4 000 — 6 000 — 10 000

The series of nominal capacities of wide-necked flat-bottom flasks is as follows (given in millilitres):

50 — 100 — 250 — 500 — 1 000 — 2 000

3.2 Nominal capacity

The nominal capacity of a flask is the value, selected from the series given in 3.1, which is closest to but not larger than the actual volume to the base of neck.

NOTE The body dimensions recommended in Tables 1 and 2 take this requirement into account.