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Laboratory glass and plastics ware — Principles of design and construction of volumetric instruments

*Matériel de laboratoire en verre ou en plastique — Principes de
conception et de construction d'instruments volumétriques*



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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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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.

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The committee responsible for this document is ISO/TC 48, *Laboratory equipment*.

This second edition cancels and replaces the first edition (ISO 384:1978), which has been technically revised to incorporate the following modifications.

- a) Volumetric instruments made from plastics have been added to the scope.
- b) Volumetric instruments of class AS have been added.
- c) The thickness of graduation lines has been modified.
- d) The basic principles for construction have been modified such that they comply with the product standards ISO 1042, ISO 648, ISO 835, ISO 385, ISO 4788 and ISO 4787.
- e) The relation between maximum permissible error and the inner diameter has been specified by an equation.
- f) [Annex A](#), explaining that relation, has been reworded.