

Specification for  
**Iodine flasks**

Confirmed  
November 2011

## Co-operating organizations

The Scientific Glassware and Related Laboratory Apparatus Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:—

Admiralty\*  
 Air Ministry  
 Association of British Chemical Manufacturers\*  
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Association of Hospital Management Committees  
 Guild of Public Pharmacists  
 High Commission of India  
 Metropolitan Water Board  
 University of London (Faculty of Science)  
 Individual Manufacturers

This British Standard, having been approved by the Scientific Glassware and Related Laboratory Apparatus Industry Standards Committee and endorsed by the Chairman of the Chemical Divisional Council, was published under the authority of the General Council on 26 March 1956

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The following BSI references relate to the work on this standard:—  
 Committee reference LBC/1  
 Draft for comment CT(LBC) 4845

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### Amendments issued since publication

Amd. No.	Date	Comments

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## Foreword

This standard makes reference to the following British Standard:—

BS 572, *Interchangeable conical ground glass joints*.

This British Standard, which has been prepared under the authority of the Scientific Glassware and Related Laboratory Apparatus Industry Standards Committee, provides a specification for iodine flasks such as are employed in analytical laboratories for the determination of iodine values. The important points for this purpose are the capacity of the cup top and the design of the long-handled stopper.

The cup top specified is wider than has been commonly provided in the past, and thus has the following advantages:

- a) It is easier to pour from a bottle into the cup with the stopper in position.
- b) It is easier to clear the tap of a burette or the vapour tube of a Soxhlet extractor.
- c) It is easier to extract the stopper without breaking the rim of the cup.

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### Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 and 2, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

## 1 Scope

This British Standard specifies suitable flasks with stoppers for use in the determination of iodine values.

## 2 Sizes

Two sizes of flask are specified, of nominal capacity 250 and 500 ml.

## 3 Material

The flasks and stoppers shall be made of borosilicate glass, as free as possible from visible defects, and shall be reasonably free from internal strain.

## 4 Construction and dimensions

The flasks shall be of conical form and shall be provided with a cup top, such that when the stopper is in position it shall have a capacity of not less than 20 ml. Suitable dimensions of the two sizes of flask and of the cup top are shown in Figure 1. A minimum wall thickness of 1.5 mm in any part is recommended.

The stopper shall be hollow blown and closed at the lower end. Suitable dimensions are shown in Figure 1.

The ground surfaces of the flasks and stoppers shall comply with the relevant requirements of BS 572<sup>1)</sup> for joint size B.24.

## 5 Markings

Each flask shall have permanently and legibly marked on it:—

- The nominal capacity, i.e. “250 ml” or “500 ml”.
- The maker’s or vendor’s name or mark.
- An area (about 15 mm diameter) with a surface suitable for marking with pencil.
- The number of this British Standard, i.e. “BS 2375”.<sup>2)</sup>

<sup>1)</sup> BS 572, “Interchangeable conical ground glass joints”.

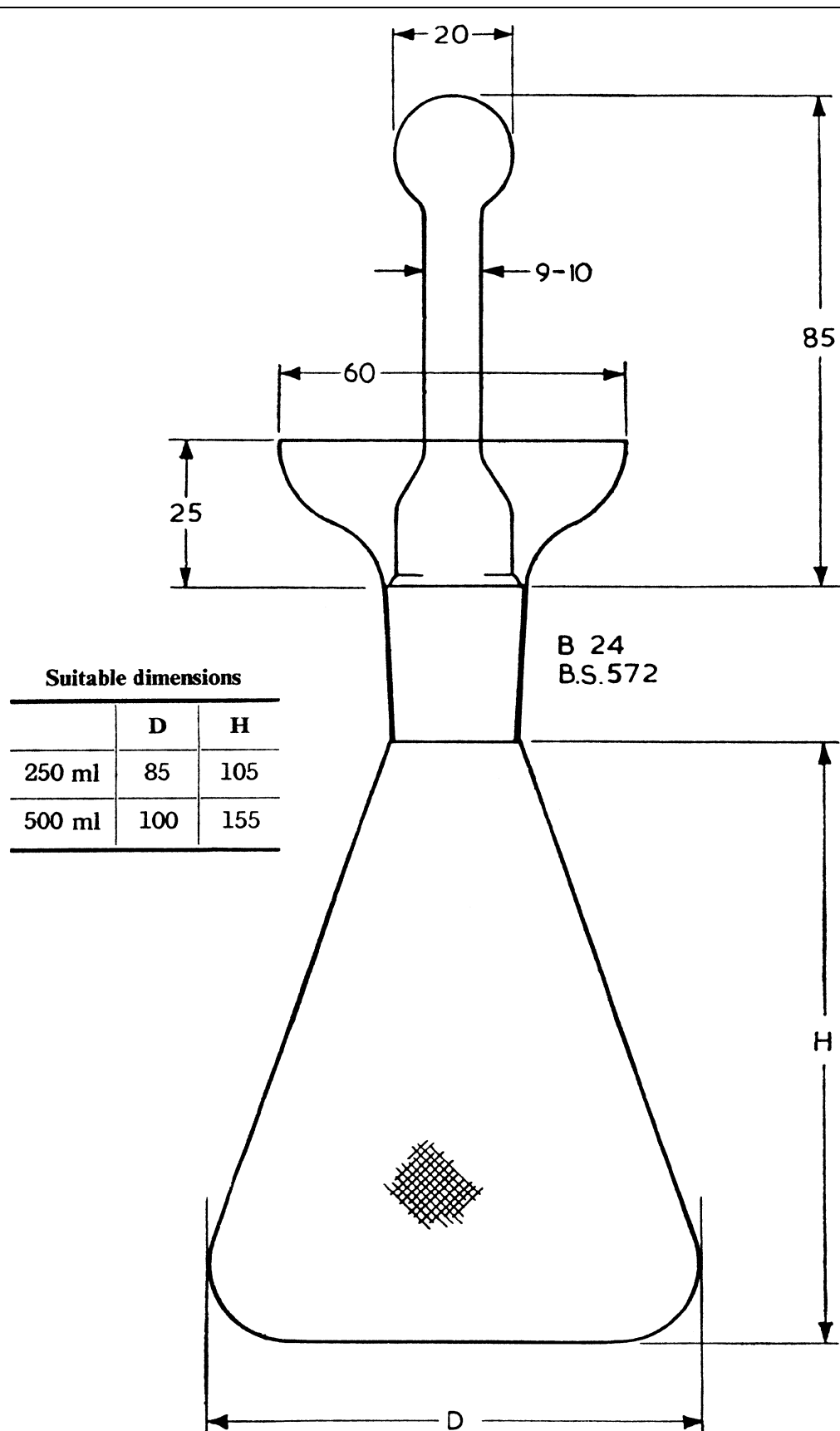
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All linear dimensions are in millimetres

Figure 1 — Iodine flask

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