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LABORATORY GLASSWARE FILTER FUNNELS



STANDARDS ASSOCIATION OF AUSTRALIA
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THE FOLLOWING INDUSTRIAL, SCIENTIFIC, AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Medical Association
Chambers of Commerce (N.S.W., Vic.)
Chief Secretary's Department, Victoria
Commonwealth Serum Laboratories
Confederation of Australian Industry
Department of Agriculture, N.S.W.
Department of Science and the Environment
Government Chemical Laboratories, W.A.
National Measurement Laboratory
National Standards Commission
Railways of Australia Committee
Royal Australian Chemical Institute
University of Sydney
Victorian State Laboratories

This standard, prepared by Committee CH/1, Laboratory Glassware and Related Apparatus, was approved by the Chemical Standards Board on behalf of the Council of the Standards Association of Australia on 31 January 1979, and was published on 1 April 1979.

In order to keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvement to published standards, addressed to the head office of the Association, are welcomed.

AUSTRALIAN STANDARD SPECIFICATION

FILTER FUNNELS

AS 2245—1979

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PREFACE

This standard was prepared by the Association's Committee on Laboratory Glassware and Related Apparatus under the direction of the Chemical Standards Board, as a revision of AS R14—1953; Glass Filter Funnels, which it accordingly supersedes. It was prepared at the request of the N.S.W. Government Stores Department and is based on BS 1923—1953, which hitherto had been endorsed as the Australian standard. The principal changes from the previous edition relate to tolerances and to format of the standard.

This standard forms part of a series of standards for general laboratory glassware. Other items for which standards are being prepared include beakers, test tubes, boiling flasks and conical flasks, condensers, separating and dropping funnels, ground glass joints, and filter flasks.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard Specification for GLASS FILTER FUNNELS

1 SCOPE. This specification sets out requirements for two types of glass filter funnels, viz funnels for general laboratory use, and funnels for analytical purposes.

2 DESIGNATION. The filter funnels are designated according to type, as follows:

- (a) Funnels for general laboratory use—Type A.
- (b) Funnels for analytical purposes—Type B.

3 SIZES OF FUNNELS. The sizes of the funnels shall be expressed in terms of bowl diameter, in millimetres, and shall be as follows:

- (a) Type A funnels—25, 50, 75, 100, 150, 200, 250 and 300.
- (b) Type B funnels—35, 50, 65, 75, and 100.

4 MATERIAL.

4.1 Type A Funnels. Type A funnels shall be made of either soda glass or borosilicate glass.

4.2 Type B Funnels. Type B funnels shall be made of borosilicate glass.

4.3 Defects. Funnels shall be reasonably free from visible defects and shall be reasonably free from stress.

5 DIMENSIONS. Funnels shall conform to the dimensions specified in Tables 1 and 2.

6 CONSTRUCTION.

6.1 General Features (see Fig. 1). The funnel shall consist of a bowl, having the shape of a right circular cone, and a stem which shall be coaxial with the bowl.

6.2 Bowl.

6.2.1 Type A funnels. In Type A funnels, the internal surface of the bowl shall be plain, and the external surface shall be either plain or ribbed.

6.2.2 Type B funnels. In Type B funnels, the bowl shall be plain, or ribbed internally or externally, or grooved internally. Where the bowl is ribbed externally there shall be at least three such ribs evenly spaced around the bowl.