

Specification for

**Burettes with
pressure-filling device
and automatic zero —
Microchemical
apparatus —**

Group D: Volumetric apparatus

Co-operating organizations

The 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:

- Agricultural Research Council
- Association for Science Education
- Association of British Chemical Manufacturers*
- Association of Scientific Workers
- Board of Trade
- British Association for the Advancement of Science
- British Chemical Ware Manufacturers' Association*
- British Laboratory Ware Association*
- British Lamphblown Scientific Glassware Manufacturers' Association*
- British Pharmacopœia Commission
- British Scientific Instrument Research Association*
- Chemical Society*
- D.S.I.R. — Laboratory of the Government Chemist*
- D.S.I.R. — National Chemical Laboratory
- Glass Manufacturers' Federation*
- Institute of Petroleum
- Ministry of Aviation*
- Ministry of Defence, Air Force Department
- Ministry of Health
- National Physical Laboratory (D.S.I.R.)*
- Oil Companies Materials Association
- Pharmaceutical Society of Great Britain*
- Royal Institute of Chemistry*
- Scientific Instrument Manufacturers' Association
- Society for Analytical Chemistry*
- Society of Chemical Industry*
- Society of Glass Technology*
- Standardization of Tar Products Tests Committee

The Government departments and scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- Association of Clinical Pathologists
- Medical Research Council
- Ministry of Defence, Army Department
- Ministry of Defence, Navy Department
- Natural Rubber Producers' Research Association
- Physiological Society
- Individual manufacturers

This British Standard, having been approved by the 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 13 May 1965

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Foreword

This standard makes reference to the following British Standards:

BS 1751, *General purpose glass stopcocks*.

This British Standard is one of a series of parts of BS 1428, “*Microchemical Apparatus*” (see list in Appendix C).

The specification was first published in 1948 as part 3 of BS 846, “*Burettes and bulb burettes*” but in order to include it in the series of Standards for microchemical apparatus, it was also published in 1952 as BS 1428-D1. In view of the specialized use of this type of burette for microchemical work, it was decided to omit it from the 1962 edition of BS 846.

As with other specifications for volumetric glassware the essential details only are mandatory and most of the dimensions are given for the guidance of manufacturers.

In this revision a 10 ml burette subdivided in 0.02 ml has been added, to provide an instrument suitable for greater precision of measurement. Account has also been taken of international standardization work in this field and the requirements on leakage rates for stopcocks and on delivery times have been modified in accordance with the international recommendations for burettes. For the same reason a subsidiary reference temperature of 27 °C has been included for the convenience of tropical countries and the inscription “Ex” has been used in place of “D” to indicate that the burettes are intended to deliver their nominal capacities.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 7 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.