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Specification for

Vitreous china bowl urinals (rimless type)

UDC 696.141.2:628.45

Cooperating organizations

The Sanitary Appliances Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

Bath Manufacturers' Co-ordinating Committee
 Chartered Institution of Building Services
 Council of British Ceramic Sanitaryware Manufacturers*
 Department of the Environment
 Department of the Environment, Building Research Station
 Department of the Environment, Property Services Agency*
 Department of the Environment, Housing and Construction*
 Environmental Health Officers' Association*
 Greater London Council
 Institute of Plumbing*
 Institution of Municipal Engineers*
 Institution of Public Health Engineers
 Metal Sink Manufacturers' Association
 Ministry of Defence
 National Brassfoundry Association*
 National Federation of Builders' and Plumbers' Merchants
 National Water Council
 Royal Institute of British Architects*
 Royal Institute of Public Health and Hygiene*
 Royal Society of Health
 Water Companies' Association

The 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 District Councils
 British Plastics Federation
 Copper Development Association
 Department of Health and Social Security
 Edinburgh Corporation
 Institute of Purchasing and Supply
 Stainless Steel Fabricators' Association of Great Britain
 Thames Water Authority, Metropolitan Water Division

This British Standard, having been prepared under the direction of the Sanitary Appliances Standards Committee, was published under the authority of the Executive Board on 31 October 1977

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The following BSI references relate to the work on this standard:
 Committee reference SAB/13
 Draft for comment 76/13194 DC

Amendments issued since publication

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4913	April 1989	Indicated by a sideline in the margin

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Foreword

As the United Kingdom has been obliged to vote against a draft European Standard prEN 80 “*Wall-hung urinals without built-in trap — Connecting dimensions*” on the grounds that the Bedford type spigot specified therein is considered unhygienic, this British Standard has been prepared under the direction of the Sanitary Appliances Standards Committee, in order to specify the dimensions, design and quality of vitreous china bowl urinals.

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.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

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.

Section 1. General

1 Scope

This British Standard specifies the materials, quality, design and dimensions of vitreous china bowl urinals (rimless type) of two sizes, see Table 1.

2 References

The titles of the publications referred to in this standard are listed on the inside back cover.

3 Marking

Bowl urinals manufactured to the requirements of this standard shall be clearly and permanently marked with the following information.

- a) The manufacturer's name or trade mark.
- b) The number of this British Standard, i.e. BS 5520.

4 Inspection

The purchaser or his representative shall, if required, be granted facilities for the purpose of inspection of finished goods prior to delivery.

5 Rejection

The purchaser shall have the option of rejecting any article purporting to comply with the requirements of this standard if it fails to meet any of those requirements.

Minor imperfections which do not affect the appearance or efficiency of the bowl urinal shall not constitute a valid reason for rejection.

Section 2. Materials, quality and design

6 Materials and quality

Bowl urinals shall be manufactured from vitreous china complying with the requirements of BS 3402.

7 Design

Bowl urinals shall conform to the dimensions and permissible deviations given in Table 1 and illustrated in Figure 1.

The bowls shall be suitable for use with a top supply spreader or shall be provided with a back inlet spreader. (See reference letter *B* Table 1.)

The bowl shall be without flushing rim and overflow. All surfaces which will be exposed after fixing shall be glazed and shall be free from ridges, crevices and inaccessible cavities which might collect dirt and lime scale and/or inhibit cleaning.

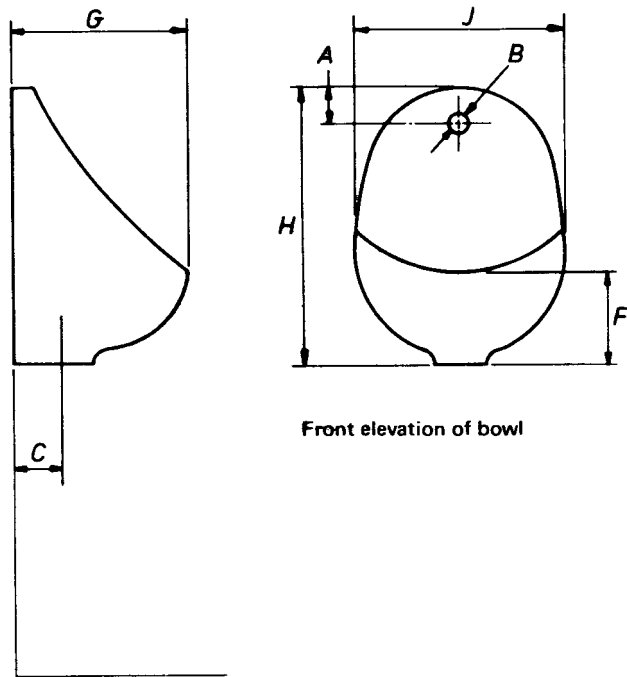
The bowl shall be so constructed that when fixed in its correct upright position it shall empty by gravity, completely. The bowl urinal shall be designed to operate with cisterns made to the requirements of BS 1876, without splashing.

8 Fixings and support

The bowl urinal shall be provided with adequate means of support, preferably of the concealed type. Manufacturers shall supply details of fixings on request.

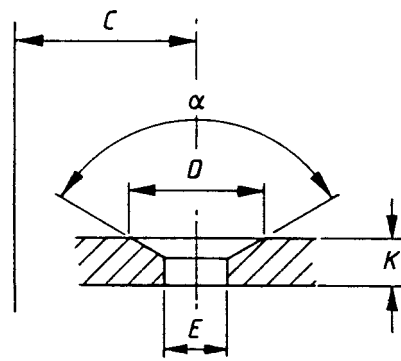
Table 1 — Dimensions and permissible deviations

Reference letter	Dimension in millimetres	Definitions and comments
<i>A</i>	75 max.	Dimensions from top of bowl to centre of water supply hole or spreader
<i>B</i>	22 ± 3	Diameter of water supply hole (when provided)
<i>C</i>	100 min.	Centre of waste outlet from back of bowl
<i>D</i>	65 ± 2	With angle α $100^{+0}_{-5^\circ}$ dimension of outlet of the waste flange
<i>E</i>	50^{+5}_{-0}	Diameter of waste outlet
<i>F</i>	85 min.	Distance from underside of waste outlet to lowest point of rim
<i>G</i>	380 max.	Overall projection of bowl from back surface
<i>H</i>	600 max. 300 min. 475 min.	Distance from underside of waste outlet to top of bowl
<i>J</i>	400 max. 250 min. 300 min.	Width of bowl at widest point
<i>K</i>	20 ± 2	Depth of waste outlet



Front elevation of bowl

Side elevation of bowl



Detail of waste outlet

NOTE Drawings are diagrammatic only and are not intended to indicate design features.

Figure 1 — Bowl urinal (see Table 1)

Publications referred to

BS 1876, *Automatic flushing cisterns for urinals.*

BS 3402, *Quality of vitreous china sanitary appliances.*

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