

BRITISH STANDARD : MARINE SERIES
SPECIFICATION FOR
BRASS SERVICE NAMEPLATES FOR VALVES

FOREWORD

This British Standard has been prepared under the authority of the Shipbuilding and Marine Industry Standards Committee, and is based on a proposal of the British Ship Research Association.

Purchasers of valves intended for marine service, are urged to specify nameplates conforming to this specification as a first preference. Their attention is particularly drawn to Clauses 4 and 8.

This standard makes reference to the following British Standards:

BS 2591. Glossary for valves and valve parts (for fluids).

BS 2870. Rolled copper and copper alloys, sheet strip and foil.

BS 4174. Self-tapping screws and metallic drive screws.

SPECIFICATION

NOTE. Users of this British Standard, Marine Series, should note that while observing the requirements of the standard they should at the same time ensure compliance with such statutory requirements, rules and regulations as may be applicable to the individual ship concerned.

1. SCOPE

1.1 This British Standard relates to two types of nameplates suitable for general application on all valves and cocks intended for marine duty.

The standard specifies the dimensions of plate and inscription to be used, material, quality of manufacture and engraving, and allows for identification of individual nameplates at the request of the purchaser.

1.2 The attention of the purchaser is particularly drawn to information to be supplied with an enquiry or order.

1.3 For the purposes of this standard the term 'valve' will be assumed to include cocks and any other means of controlling fluid flow, such as are defined in BS 2591.

2. TYPES AND DIMENSIONS

2.1 Nameplates manufactured in accordance with this British Standard shall be to either of the following designs:

(1) Circular type, applicable when the valve has its handwheel fixed to the stem.

or (2) Rectangular type, applicable when conditions make the fitting of a circular type impracticable.

The details of the above types shall be as set

out in Tables 1 and 2 respectively.

2.2 Also listed in the tables are recommended ranges of valve sizes (by nominal bores) for which the respective nameplates should be used.

3. MATERIAL

The nameplates shall be made of brass to BS 2870 CZ118 or CZ119, and have a thickness of 1.5 mm.

4. ORDERING AND FITTING OF NAMEPLATES

The ordering and fitting of the nameplates shall be the responsibility of the purchaser of the valve.

5. ENGRAVING OF INSCRIPTION

5.1 The inscription relating to the valve shall be permanently marked by an engraving process on the face side of the nameplate, to a depth of not less than 0.5 mm.

5.2 The engraved characters, including letters and integers, shall have the heights set out in Tables 1 or 2, according to the type and size of the nameplate.

5.3 All characters shall be of the 'sans-serif' upper case type, clearly legible, and finished black. An alternative finish may be adopted when so specified by the purchaser.

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5.4 The total number of characters and included spaces between words shall not normally exceed that given in Table 1 and Table 2 respectively.

5.4.1 On circular plates, the characters shall be aligned on a single arc positioned concentric with the periphery of the plate. The beginning and the ending of the inscription shall be separated by a gap subtending an angle of not less than 45° at the centre of the plate, as shown in Table 1.

5.4.2 On rectangular plates, the inscription shall be aligned in parallel rows, spaced equidistant from each other and from the longer sides of the plate, as shown in Table 2. Where one row only of characters is required this shall be positioned centrally on the plate. No character shall lie closer than 5 mm to the short sides of the plate.

5.4.3 Care shall be exercised in the use of abbreviated expressions to ensure correct interpretation and this applies especially when the instructions are in a language with which the manufacture or purchaser are not fully acquainted.

6. QUALITY OF MANUFACTURE: INSPECTION AND FINISH

6.1 The manufacturer shall ensure by visual inspection that the nameplate complies with the requirements of 5.4.1 or 5.4.2 and with the following 6.1.1 to 6.1.5, inclusive:

6.1.1 The nameplates are flat and free from pitting.

6.1.2 The central hole in circular nameplates, where provided, is concentric with the periphery.

6.1.3 The letters and spacing are uniform.

6.1.4 All plate edges are finished smooth.

6.1.5 The 'face' side of the nameplate has a bright finish.

7. IDENTIFICATION

7.1 When specified by the purchaser, additional characters shall be inscribed on the 'reverse' side of the nameplate, for the purposes of identification, as set out in 7.1.1 and 7.1.2:

7.1.1 An identification serial reference, corresponding to that of the valve for which the nameplate is intended, shall be permanently inscribed thereon. Nameplates marked in this manner shall be grouped in sequence according to their identification serial reference, when packaged for despatch to the purchaser.

7.1.2 A translation of the face side inscription

into another language as specified by the purchaser. This marking may be of an impermanent nature.

8. INFORMATION TO BE SUPPLIED WITH AN ENQUIRY OR ORDER

The following information shall be supplied by the purchaser when placing an enquiry or order for nameplates to this standard:

(1) The number of this British Standard, i.e. BS MA 5.

(2) The type of nameplate required (see Clause 2).

(3) The size of nameplate required (see Tables 1 and 2).

(4) The inscription required (see Clause 5)

(5) The colour of finish of inscription, if other than black (see 5.3).

(6) The valve identification reference, where required in the manner specified in 7.1.

APPENDIX A

INSTALLATION OF NAMEPLATES

(For the guidance of the purchaser)

A.1 General

A.1.1 The nameplate should be installed and secured in such a position as to enable the inscription to be readily observed. (This should be borne in mind when a choice between a circular or a rectangular type is to be made.)

A.1.2 Nameplates should normally be installed in the manner described in A.2 or A.3 respectively. Alternatively, and with the agreement of the regulatory bodies concerned, the nameplate may be separately mounted in a position adjacent to the valve, such that there is no reasonable doubt as to which valve the nameplate refers.

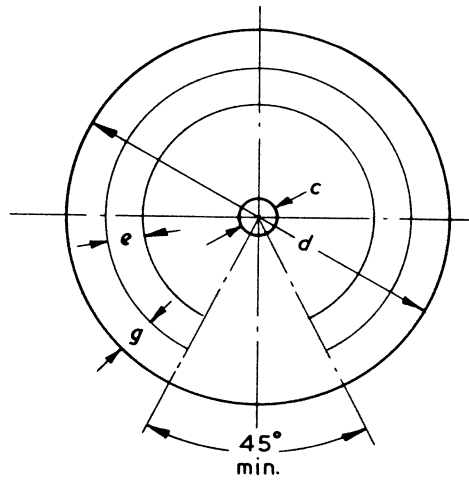
A.2 Circular type

A.2.1 The nameplate should be secured to the valve stem by the handwheel nut or bolt.

A.3 Rectangular type

A.3.1 The nameplate should be secured to the valve by two No. 4 roundhead (type U) metallic drive screws 8 mm in length. This securing may be made on the circumferential surface of either the bonnet flange or the end connection flange, but *not* on any pressure-containing part.

TABLE 1. DETAILS OF CIRCULAR NAMEPLATE



All dimensions are in millimetres

Diameter of nameplate <i>d</i>	Diameter of locating hole <i>c</i>	Height of characters <i>e</i>	Dimension <i>g</i>	Recommended total number of characters and spaces	Recommended range of valve sizes (nominal bore)
30	5	5	3	12	15 - 25
40	5	5	3	16	32 - 40
50	5	5	5	21	50 - 100
65	5	6	5	20	125 - 150
75	5	6	5	26	200 - 300
90	5	8	6	23	350 and over

NOTE 1. The central locating hole may be omitted, or have its diameter varied when so specified by the purchaser.

NOTE 2. The 45° arc shown on the above diagram represents the minimum value of the gap separating the beginning and ending of the inscription (see 5.4.1).

**BSI CERTIFICATION TRADE MARK
(THE KITEMARK)**

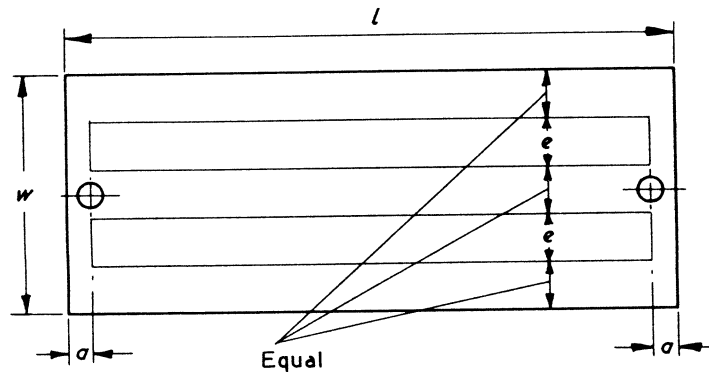
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TABLE 2. DETAILS OF RECTANGULAR NAMEPLATES



All dimensions are in millimetres

Dimensions of nameplate		Locating holes		Height of characters e	Recommended total number of characters and spaces		Recommended range of valve sizes (nominal bores)
l	w	Diam.	a		Single line	Double line	
80	20	3	3	5	12	24	50 - 300
80	32	3	3	6	9	18	350 and over

NOTE 1. It is intended that the nameplate will be secured by two No. 4 round-head metallic drive screws, 8 mm long, but alternative means of fixing may be adopted.

NOTE 2. The locating holes are to be drilled by the manufacturer.

NOTE 3. Where a single line inscription suffices, this is to be positioned centrally on the nameplate.

This British Standard, having been approved by the Shipbuilding & Marine Industry Standards Committee, was published under the authority of the Executive Board on 30 July, 1970.

The Institution desires to call attention to the fact that this British Standard does not purport to include all the necessary provisions of a contract.

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

A complete list of British Standards, numbering over 5000, fully indexed and with a note of the contents of each, will be found in the British Standards Yearbook, price £1. The BS Yearbook may be consulted in many public libraries and similar institutions.

British Standards are revised, when necessary, by the issue either of amendment slips or of revised editions. It is important that users of British Standards should ascertain that they are in possession of the latest amendments or editions.

The following BSI references relate to the work on this standard:
Committee reference SME/2 Draft for approval 69/10531

SBN: 580 0612 0