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An American National Standard

Standard Specification for Valve Label Plates[1]

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1. Scope

1.1 This specification covers the materials, dimensions, inscription, and methods of inscribing for shipboard valve label plates.

1.2 Fasteners shall be ordered separately and are not included in this specification.

1.3 The values stated in inch-pound units are to be regarded as standard.

2. Referenced Documents

2.1 *ASTM Standards:*[2]

A167 Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip

B36/B36M Specification for Brass Plate, Sheet, Strip, And Rolled Bar

B209 Specification for Aluminum and Aluminum-Alloy Sheet and Plate

B580 Specification for Anodic Oxide Coatings on Aluminum

D709 Specification for Laminated Thermosetting Materials

2.2 *Other Documents:*

American Bureau of Shipping Rules for Building and Classing Steel Vessels [3]

ANSI Y1.1 Abbreviations[4]

3. Classification

3.1 Label plates shall be classified by type, grade, class, size, and letter size in accordance with material and method of inscribing, method of attachment, thickness of sheet, strip, or plate, dimensions, and letter size to be used.

3.2 *Types and Materials*:

3.2.1 *Type I*—Anodized aluminum, engraved.

3.2.2 *Type II*—Anodized aluminum, metal photo.

3.2.3 *Type III*—Stainless steel, engraved.

3.2.4 *Type IV*—Brass, engraved.

3.2.5 *Type V*—Plastic, engraved.

3.3 *Grades and Methods of Attachment*:

3.3.1 *Grade A*—Adhesive on metal bracket (backing plate) (Sizes A through J).

3.3.2 *Grade B*—Metal strapping or screw (Sizes A through J).

3.3.3 *Grade C*—Welding (Sizes A through J) See also the American Bureau of Shipping Standards.

3.3.4 *Grade D*—Secured by handwheel nut (Sizes K through R).

3.3.5 *Grade E*—Connection to valve stem, bonnet, or flange (Size S).

3.4 *Class and Thickness*:

3.4.1 *Class 1*—⅛ in.

3.4.2 *Class 2*—16 gage.

3.4.3 *Class 3*—20 gage.

3.4.4 *Class 4*—24 gage.

3.5 *Size and Dimensions*:

(length by width) or (outside diameter (OD) by inside diameter (ID).)

3.5.1 *Size A*—Rectangular 2 by ⅞ in.

3.5.2 *Size B*—Rectangular 2 by 1½ in.

3.5.3 *Size C*—Rectangular 3 by ⅞ in.

3.5.4 *Size D*—Rectangular 3 by 1½ in.

3.5.5 *Size E*—Rectangular 3 by 2¼ in.

3.5.6 *Size F*—Rectangular 4 by ⅞ in.

3.5.7 *Size G*—Rectangular 4 by 1½ in.

3.5.8 *Size H*—Rectangular 4 by 2¼ in.

3.5.9 *Size J*—Rectangular 4 by 3¼ in.

3.5.10 *Size K*—Circular 1 3⁄16 by 5⁄16 in.

3.5.11 *Size L*—Circular 1½ by 5⁄16 in.

3.5.12 *Size M*—Circular 1¾ by ⅜ in.

3.5.13 *Size N*—Circular 2 by ⅜ in.

3.5.14 *Size P*—Circular 2¾ by 7⁄16 in.

[1] This specification is under the jurisdiction of ASTM Committee F25 on Ships and Marine Technology and is the direct responsibility of Subcommittee F25.11 on Machinery and Piping Systems.

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[2] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

[3] Available from American Bureau of Shipping (ABS), ABS Plaza, 16855 Northchase Dr., Houston, TX 77060.

[4] Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036.