**Designation: ~~F992 – 86 (Reapproved 2011)~~ F992 – 17**

An American National Standard

# Standard Specification for Valve Label Plates[1]

This standard is issued under the fixed designation F992; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

## 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. No other units of measurement are included in this standard.

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

## 2. Referenced Documents

2.1 *ASTM Standards:*[2]

~~A167~~A240 Specification for ~~Stainless~~Chromium and ~~Heat-Resisting~~ Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications ~~(Withdrawn 2014)~~

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~~Y14.38 Abbreviations and Acronyms for Use on Drawings and Related Documents [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).

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[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, http://www.eagle.org.

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

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 1³⁄₁₆ 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.
3.5.15 *Size R*—Circular 3 by ⁹⁄₁₆ in.
3.5.16 *Size S*—Rectangular, 5 by 1½ in. with ⅝-in. diameter hole (see Fig. 3~~Fig. 3).~~ ). (To be used with Type 3, Grade E only).

3.6 *Letter Size:*
3.6.1 *Letter Size 1*—⁵⁄₁₆-in. letter, approximately three letters per inch.
3.6.2 *Letter Size 2*—¼-in. letter, approximately four letters per in.
3.6.3 *Letter Size 3*—³⁄₁₆-in. letter, approximately five letters per inch.
3.6.4 *Letter Size 4*—⅛-in. letter, approximately eight letters per inch.



## 4. Ordering Information

4.1 Orders for material under this specification shall include the following:
4.1.1 ASTM Designation and year of issue.
4.1.2 Type.
4.1.3 Grade.
4.1.4 Class.
4.1.5 Size.
4.1.6 Letter size.
4.1.7 Color of lettering (if other than default color black, standard red words, or white when plastic is used).
4.1.8 Inscription (as to be put on label).
4.1.9 ~~Optional characteristics~~ *Optional characteristics:*

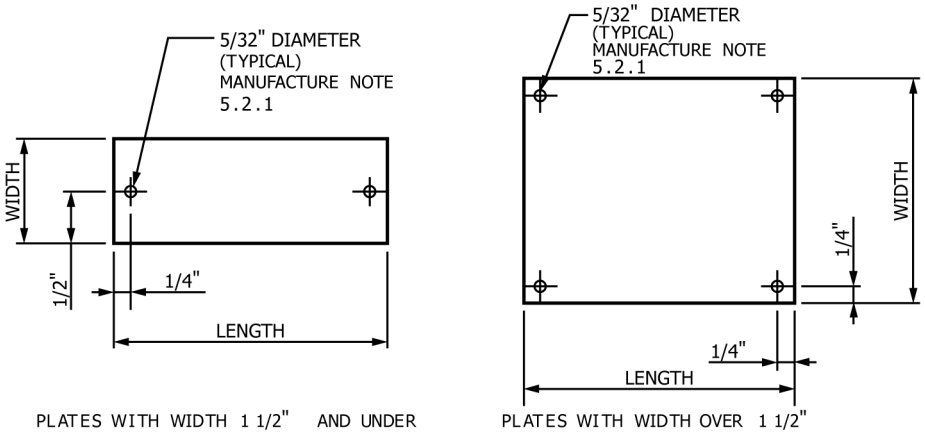


**FIG. 1 Plate for Sizes A–J**