



Standard Specification for Envelope Dimensions for Bronze Globe Valves NPS ¼ to 2¹

This standard is issued under the fixed designation F885; 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 provides standard dimensions for small bronze globe valves (NPS ¼ to 2) installed in shipboard piping systems.

1.2 This specification covers valves of a nominal pipe size from NPS ¼ to 2 with threaded and brazed end connections. The valves are in accordance with MSS-SP80, Class 200.

1.3 *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 *ANSI Standard:*²

B2.1 Pipe Threads (Except Dryseal)

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.

Current edition approved July 1, 2022. Published July 2022. Originally approved in 1984. Last previous edition approved in 2017 as F885 – 84 (2017). DOI: 10.1520/F0885-84R22.

² Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

2.2 *Manufacturer's Standardization Society of the Valve and Fittings Industry Standard:*³

SP80 Bronze Gate, Globe, Angle and Check Valves

3. Materials and Manufacture

3.1 Threaded end connections shall be in accordance with ANSI B2.1. Brazed end connections shall be in accordance with **Table 1**.

4. Dimensions

4.1 Valve dimensions for both threaded- and brazed-type end connections are provided in **Fig. 1**.

5. Tolerances

5.1 A plus or minus tolerance of 1/32 in. (0.8 mm) shall be allowed on all dimensions that do not have a maximum or minimum specified.

6. Keywords

6.1 brazed connection; bronze globe valve; envelope dimension; globe valve; marine technology; ship

³ Available from Manufacturers Standardization Society of the Valve and Fittings Industry (MSS), 127 Park St., NE, Vienna, VA 22180-4602, <http://www.mss-hq.org>.