



Standard Specification for 65-Gallon Dispensing Tank¹

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1. Scope

1.1 This specification covers the design and manufacture of a 65-gallon dispensing tank and foundation.

1.2 This tank is suitable for local and remote filling and venting with the head not to exceed 65 ft.

1.3 This tank has been designed for the storage of petroleum base and other cleaning products of a non-corrosive composition.

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

2. Referenced Documents

2.1 ASTM Standards:

A 36/A 36M Specification for Structural Steel²

A 181/A 181M Specification for Forgings, Carbon Steel for General Purpose Piping³

A 182/A 182M Specification for Forged or Rolled Alloy-Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service³

A 307 Specification for Carbon Steel Bolts and Studs, 60 000 PSI Tensile Strength⁴

A 563 Specification for Carbon and Alloy Steel Nuts⁴

A 569/A 569M Specification for Steel, Carbon (0.15 maximum, percent), Hot Rolled Sheet and Strip, Commercial Quality⁵

B 16 Specification for Free Cutting Brass Rod, Bar, and Shapes for Use in Screw Machines⁶

B 36 Specification for Brass Plate, Sheet, Strip and Rolled Bar⁶

B 584 Specification for Copper Alloy Sand Castings, for General Application⁶

2.2 ANSI Standards:

ANSI B 16.5 Pipe Flanges and Flanged Fittings⁷

2.3 Other Documents:

American Welding Society Publication, *AWS D1.1*—

*Structural Welding Code*⁸ American Bureau of Shipping
*Rules for Building and Classing Steel Vessels*⁹

3. Ordering Information

3.1 Tanks ordered under this specification shall include the following:

3.1.1 ASTM designation, title and date of this specification,

3.1.2 Quantity (number of tanks), and

3.1.3 Exterior coating of tank, foundation, and tray.

4. Materials and Manufacture

4.1 Materials:

4.1.1 *Faucet*, brass—see Specification B 584, UNS Nos. C85400/C85700.

4.1.2 *Cap and Plugs*, brass—see Specification B 16.

4.1.3 *Flash Arrestor*, brass—see Specification B 36, UNS No. C23000, H01 (optional).

4.1.4 *Angle and Channel*, steel—see Specification A 36.

4.1.5 *Vacuum Breaker Assembly and Couplings*, stainless steel—see Specification A 182, Type 316 (optional).

4.1.6 *Tank Body and Separators*, hot rolled steel—see Specification A 569.

4.1.7 *bolts*, carbon steel—see Specification A 307, Grade A.

4.1.8 *Nuts*, carbon steel—see Specification A 563, Grade A.

4.1.9 *Flanges*, forged steel—see Specification A 181, Grade II.

4.2 Manufacture:

4.2.1 Flanges shall be in accordance with ANSI B 16.5.

4.2.2 Construction of the tank shall be all welded steel as shown in Figs. 1-3.

4.2.3 Welding shall be in accordance with American Bureau of Shipping Rules for Building and Classing Steel Vessels or AWS D1.1.

5. Performance Requirements

5.1 Tanks furnished to this specification are intended for use in systems having a working pressure not exceeding 30 psig.

5.2 Each tank shall be tested hydrostatically to a pressure of at least 45 psig for a period of at least 10 min. There shall be no visible leakage during the test, nor any visible permanent distortion after the pressure has been removed.

¹ This specification is under the jurisdiction of ASTM Committee F-25 on Shipbuilding and is the direct responsibility of Subcommittee F25.03 on Outfitting. Current edition approved August 31, 1990. Published January 1991.

² *Annual Book of ASTM Standards*, Vol 01.04.

³ *Annual Book of ASTM Standards*, Vol 01.01.

⁴ *Annual Book of ASTM Standards*, Vol 15.08.

⁵ *Annual Book of ASTM Standards*, Vol 01.03.

⁶ *Annual Book of ASTM Standards*, Vol 02.01.

⁷ Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.

⁸ Available from American Welding Society, 2501 N.W. 7th St., Miami, FL 33125.

⁹ Available from American Bureau of Shipping, 45 Eisenhower Drive, P.O. Box 910, Paramus NJ 07653.