

American Water Works Association

ANSI/AWWA C508-93

(Revision of ANSI/AWWA C508-82)



AWWA STANDARD
FOR
SWING-CHECK VALVES
FOR WATERWORKS SERVICE,
2 IN. (50 mm) THROUGH
24 IN. (600 mm) NPS



All changes specified in addendum AWWA C508a-93 are incorporated into this standard.

Effective date: Feb. 1, 1994.

First edition approved by AWWA Board of Directors June 20, 1976.

This edition approved Jan. 31, 1993.

Approved by American National Standards Institute Sept. 13, 1993

AMERICAN WATER WORKS ASSOCIATION

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Foreword

This foreword is for information only and is not a part of AWWA C508.

I. History of Standard. Following approval by the AWWA Standards Council on June 25, 1970, the Standards Committee on Gate Valves and Swing-Check Valves was assigned the project of preparing a new AWWA standard for swing-check valves. Committee discussion of the first draft began on Nov. 18, 1970. Following an extensive period of discussion and development by user, producer, and general-interest members of this committee, and after extensive review by Committee 112 of the Manufacturers Standardization Society of the Valve and Fittings Industry, the first edition was approved on June 20, 1976. The first edition was published as AWWA C508-76 and was followed by a second edition in 1982.

II. Information Regarding Use of This Standard. When placing orders for check valves to be manufactured in accordance with this standard, purchasers should specify the following details:

1. Standard used in specifications—that is, AWWA C508-93, Standard for Swing-Check Valves for Waterworks Service, 2 In. (50 mm) Through 24 In. (600 mm) NPS.
2. Size and quantity of check valves.
3. Data required of manufacturer (Sec. 1.3).
4. Affidavit of compliance if required (Sec. 1.4).
5. Whether or not the piping system in which the check valve is to be used carries water that promotes galvanic corrosion and therefore prohibits the use of grades B and C bronze (Sec. 2.2.2.4).
6. Type of ends required—flanged or mechanical-joint (Sec. 3.6).
7. Detailed description of valve ends if dimensions or finish are to be other than specified (Sec. 3.6).
8. Special coatings and linings (Sec. 3.11).
9. Special markings required (Sec. 6.1.2).
10. If bolting material with physical and chemical properties other than those specified in ASTM A307 is required (Sec. 2.2.3).

III. Acceptance. In May 1985, the US Environmental Protection Agency (USEPA) entered into a cooperative agreement with a consortium led by NSF International (NSF) to develop voluntary third-party consensus standards and a certification program for all direct and indirect drinking water additives. Other members of the consortium included the American Water Works Association Research Foundation (AWWARF), the Conference of State Health and Environmental Managers (COSHEM), the American Water Works Association (AWWA), and the Association of State Drinking Water Administrators (ASDWA). The consortium is responsible for the cooperative effort of manufacturers, regulators, product users, and other interested parties that develop and maintain the NSF standards.

In the United States, authority to regulate products for use in, or in contact with, drinking water rests with individual states.* Local agencies may choose to impose requirements more stringent than those required by the state. To evaluate

*Persons in Canada, Mexico, and non-North American countries should contact the appropriate authority having jurisdiction.