ASME B16.45-1998
(Revision of ASME B16.45-1987)

CAST IRON FITTINGS FOR SOVENT® DRAINAGE SYSTEMS

AN AMERICAN NATIONAL STANDARD

The American Society of Mechanical Engineers

AVA Documents
Document Sharing Hub

Full document details: ASME B16.45-1998, Cast Iron Fittings for Sovent® Drainage Systems

INTENTIONALLY LEFT BLANK

Documents
Document Sharing Hub

Full document details: ASME B16.45-1998, Cast Iron Fittings for Sovent® Drainage Systems

The American Society of Mechanical Engineers

AN AMERICAN NATIONAL STANDARD

CAST IRON FITTINGS FOR SOVENT® DRAINAGE SYSTEMS

ASME B16.45-1998

(Revision of ASME B16.45-1987)

AVA Documents
Document Sharing Hub

Full document details: ASME B16.45-1998, Cast Iron Fittings for Sovent® Drainage Systems

Date of Issuance: April 30, 1999

The 1998 edition of this Standard is being issued with an automatic addenda subscription service. The use of addenda allows revisions made in response to public review comments or committee actions to be published on a regular yearly basis; revisions published in addenda will become effective six months after the Date of Issuance of the addenda. The next edition of this Standard is scheduled for publication in 2003.

ASME issues written replies to inquiries concerning interpretations of technical aspects of this Standard. The interpretations will be included with the above addenda service.

ASME is the registered trademark of The American Society of Mechanical Engineers.

This code or standard was developed under procedures accredited as meeting the criteria for American National Standards. The Standards Committee that approved the code or standard was balanced to assure that individuals from competent and concerned interests have had an opportunity to participate. The proposed code or standard was made available for public review and comment, which provides an opportunity for additional public input from industry, academia, regulatory agencies, and the public-at-large.

ASME does not "approve," "rate," or "endorse" any item, construction, proprietary device, or activity.

ASME does not take any position with respect to the validity of any patent rights asserted in connection with any items mentioned in this document, and does not undertake to insure anyone utilizing a standard against liability for infringement of any applicable Letters Patent, nor assumes any such liability. Users of a code or standard are expressly advised that determination of the validity of any such patent rights, and the risk of infringement of such rights, is entirely their own responsibility.

Participation by federal agency representative(s) or person(s) affiliated with industry is not to be interpreted as government or industry endorsement of this code or standard.

ASME accepts responsibility for only those interpretations issued in accordance with governing ASME procedures and policies which precludes the issuance of interpretations by individual volunteers.

No part of this document may be reproduced in any form,
in an electronic retrieval system or otherwise,
without the prior written permission of the publisher.

The American Society of Mechanical Engineers
Three Park Avenue, New York, NY 10016-5990

Copyright © 1999 by
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
All Rights Reserved
Printed in U.S.A.

Documents
Document Sharing Hub

Full document details: ASME B16.45-1998, Cast Iron Fittings for Sovent® Drainage Systems

FOREWORD

(This Foreword is not part of ASME B16.45-1998)

In the spring of 1920, the American Engineering Standards Committee (later successively named American Standards Association, United States of America Standards Institute, and American National Standards Institute) authorized the organization of a Sectional Committee (later named Standards Committee) on the Standardization of Pipe Flanges for the purpose of unifying and further developing the flanged and threaded fitting standards in force in the United States. Designated as joint sponsors were the American Society of Mechanical Engineers, the Heating and Piping Contractors National Association (later the Mechanical Contractors Association of America), and the Manufacturers Standardization Society of the Valve and Fittings Industry. In 1982, American National Standards Committee B16 was reorganized as the ASME B16 Committee, with ASME operating as sole sponsor under procedures accredited by ANSI.

The Sovent® system for plumbing drainage systems was developed in Switzerland, in 1961, by Mr. Fritz Sommer. Patent rights for the United States, where the system is finding use in high rise developments, were obtained in late 1969. The Manufacturers Standardization Society of the Valve and Fittings Industry developed and approved SP-74 in September 1970. A few months later, the MSS publication was submitted to Standards Committee B16, whose Subcommittee 9 (now Subcommittee J) gave prompt approval to the proposal. After Standards Committee approval, some delay was encountered in providing necessary assurances to ANSI, but approval was finally granted to ANSI B16.32-1973, Cast Copper Alloy Solder Joint Fittings for Sovent® Drainage Systems. Approval was subsequently received for ANSI B16.43-1982, Wrought Copper and Copper Alloy Solder Joint Fittings for Sovent® Drainage Systems.

In 1982, Subcommittee B was requested to develop a standard for cast iron material. Following approval by the B16 Main Committee and the ASME Supervisory Board, approval was granted by ANSI for ASME/ANSI B16.45, Cast Iron Fittings for Sovent® Drainage Systems, on May 13, 1987.

In the 1998 edition of ASME B16.45, reference standards are updated, a quality system program annex is added, and several editorial revisions are made. Following approval by ASME B16 Subcommittee B and B16 Main Committee, ANSI approved this American National Standard on November 20, 1998.

All requests for interpretations or suggestions for revisions should be sent to the Administrative Secretary, B16 Committee, American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990.

Documents
Document Sharing Hub

Full document details: ASME B16.45-1998, Cast Iron Fittings for Sovent® Drainage Systems

Documents
Document Sharing Hub

Full document details: ASME B16.45-1998, Cast Iron Fittings for Sovent® Drainage Systems

ASME B16 COMMITTEE
Standardization of Valves, Flanges, Fittings, Gaskets, and Valve Actuators

(The following is the roster of the Committee at the time of approval of this Standard.)

OFFICERS

W. N. McLean, *Chair*
H. R. Sonderegger, *Vice Chair*
P. A. Reddington, *Secretary*

COMMITTEE PERSONNEL

W. L. Ballis, Consultant, London, Ohio
R. W. Barnes, Anric Enterprises, Etobicoke, Ontario, Canada
R. R. Brodin, Fisher Controls International, Inc., Marshalltown, Iowa
M. A. Clark, Nibco, Inc., Elkhart, Indiana
A. Cohen, A. Cohen and Associates, Albuquerque, New Mexico
C. E. Floren, Mueller Co., Decatur, Illinois
D. R. Frikken, Solutia, Inc., St. Louis, Missouri
R. Henrich, Minnegasco, Inc., Golden Valley, Minnesota
J. C. Inch, Mueller Refrigeration Products Co., Hartsville, Tennessee
G. A. Jolly, Vogt Valve Co., Louisville, Kentucky
W. G. Knecht, BW/IP International, Inc., Williamsport, Pennsylvania
R. Koester, The William Powell Co., Cincinnati, Ohio
W. N. McLean, Newco Valves, Palos Park, Illinois
M. L. Nayyar, Bechtel Power Corp., Gaithersburg, Maryland
P. A. Reddington, American Society of Mechanical Engineers, New York, New York
R. A. Schmidt, Trinity-Ladish Co., Russellville, Arkansas
H. R. Sonderegger, Grinnell Corp., Cranston, Rhode Island
W. M. Stephan, Flexitallic, Inc., Mount Laurel, New Jersey
T. F. Stroud, Ductile Iron Pipe Research Association, Birmingham, Alabama
M. D. Wasicek, ABS Americas, Houston, Texas
R. E. White, Richard E. White and Associates, South Bend, Indiana
D. A. Williams, Southern Company Services, Birmingham, Alabama
L. A. Willis, The Dow Chemical Co., Freeport, Texas
W. R. Worley, Union Carbide Corp., South Charleston, West Virginia

SUBCOMMITTEE B — THREADED FITTINGS (EXCEPT STEEL)

H. R. Sonderegger, *Chair,* Grinnell Corp., Cranston, Rhode Island
B. P. Feder, *Secretary,* American Society of Mechanical Engineers, New York, New York
K. Barron, Ward Manufacturing, Blossburg, Pennsylvania
M. A. Clark, Nibco, Inc., Elkhart, Indiana
A. Cohen, A. Cohen and Associates, Albuquerque, New Mexico
A. A. Knapp, Canadian Copper/Brass Development Association, Ontario, Canada
R. L. Larkin, American Darling Valve, Birmingham, Alabama
P. I. McGrath, Consultant, Birmingham, Alabama
W. N. McLean, Newco Valves, Palos Park, Illinois
J. K. Schultz, Conine Manufacturing Co., Tyler, Texas

Documents
Document Sharing Hub
Full document details: ASME B16.45-1998, Cast Iron Fittings for Sovent® Drainage Systems

Documents
Document Sharing Hub

Full document details: ASME B16.45-1998, Cast Iron Fittings for Sovent® Drainage Systems

CORRESPONDENCE WITH B16 COMMITTEE

General. ASME Standards are developed and maintained with the intent to represent the consensus of concerned interests. As such, users of this Standard may interact with the Committee by requesting interpretations, proposing revisions, and attending Committee meetings. Correspondence should be addressed to:

Secretary, B16 Main Committee
The American Society of Mechanical Engineers
Three Park Avenue
New York, NY 10016-5990

Proposing Revisions. Revisions are made periodically to the Standard to incorporate changes that appear necessary or desirable, as demonstrated by the experience gained from the application of the Standard. Approved revisions will be published periodically.

The Committee welcomes proposals for revisions to this Standard. Such proposals should be as specific as possible, citing the paragraph number(s), the proposed wording, and a detailed description of the reasons for the proposal, including any pertinent documentation.

Interpretations. Upon request, the B16 Committee will render an interpretation of any requirement of the Standard. Interpretations can only be rendered in response to a written request sent to the Secretary of the B16 Main Committee.

The request for interpretation should be clear and unambiguous. It is further recommended that the inquirer submit his/her request in the following format:

Subject:	Cite the applicable paragraph number(s) and the topic of the inquiry.
Edition:	Cite the applicable edition of the Standard for which the interpretation is being requested.
Question:	Phrase the question as a request for an interpretation of a specific requirement suitable for general understanding and use, not as a request for an approval of a proprietary design or situation. The inquirer may also include any plans or drawings, which are necessary to explain the question; however, they should not contain proprietary names or information.

Requests that are not in this format will be rewritten in this format by the Committee prior to being answered, which may inadvertently change the intent of the original request.

ASME procedures provide for reconsideration of any interpretation when or if additional information that might affect an interpretation is available. Further, persons aggrieved by an interpretation may appeal to the cognizant ASME Committee or Subcommittee. ASME does not "approve," "certify," "rate," or "endorse" any item, construction, proprietary device, or activity.

Attending Committee Meetings. The B16 Main Committee regularly holds meetings, which are open to the public. Persons wishing to attend any meeting should contact the Secretary of the B16 Main Committee.

Documents
Document Sharing Hub
Full document details: ASME B16.45-1998, Cast Iron Fittings for Sovent® Drainage Systems