

American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (BPVC) Referenced Standards

ASME

The American Society of Mechanical Engineers (ASME) is a leading international developer of codes & standards associated with the art, science, & practice of mechanical engineering. ASME has some 600 codes and standards covering many technical areas, such as fasteners, plumbing fixtures, elevators, pipelines, and power plant systems and components. Many ASME standards are cited by government agencies as tools to meet their regulatory objectives. ASME's standards are used in more than 100 countries.

Background

This TechSpec provides information and the SAP Material Codes for the various ASME International Boiler and Pressure Vessel Code (BPVC) - ASME Referenced Standards Collections.

Overview

The ASME Boiler & Pressure Vessel Code (BPVC) - ASME Referenced Standards Collection includes those ASME standards referenced in the most current edition of the ASME BPVC. The collection includes access to both the active and historical (1987-fwd) revisions of the ASME Referenced Standards Collection through Engineering Workbench.

The 2021 BPVC referencing 53 ASME Standards and with associated historical versions, this collection includes over 325 documents. By including the historical content, subscribers have access to the date-specific versions of the ASME standards and codes that are needed within a single solution.

Offering is listed as Online

Online indicates the online delivery of the content via Engineering Workbench, the one online platform that simplifies and expedites the process for finding and efficiently managing standards and related information.

ASME BPVC – ASME Reference Standards Collection Content:

The current contents of the Referenced Standards Collection is as follows.
Subject to change.

- ASME ANDE-1 - ASME Non-destructive Examination and Quality Control Central Qualification and Certification Program
- ASME ANS RA-S-1.4 - Probabilistic Risk Assessment Standard for Advanced Non- Light Water Reactor Nuclear Power Plants
- ASME B1.1 - Unified Inch Screw Threads (UN and UNR Thread Form)
- ASME B1.13M - Metric Screw Threads: M Profile
- ASME B1.20.1 - Pipe Threads, General Purpose (Inch)
- ASME B1.20.3 - Dryseal Pipe Threads (Inch) Revision and Redesignation of B2.2-1968
- ASME B1.21M - Metric Screw Threads: MJ Profile
- ASME B16.1 - Gray Iron Pipe Flanges and Flanged Fittings Classes 25, 125, and 250
- ASME B16.11 - Forged Fittings, Socket-Welding and Threaded
- ASME B16.14 - Ferrous Pipe Plugs, Bushings, and Locknuts with Pipe Threads
- ASME B16.15 - Cast Copper Alloy Threaded Fittings Classes 125 and 250
- ASME B16.18 - Cast Copper Alloy Solder Joint Pressure Fittings
- ASME B16.20 - Metallic Gaskets for Pipe Flanges
- ASME B16.21 - Non-metallic Flat Gaskets for Pipe Flanges
- ASME B16.22 - Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings
- ASME B16.24 - Cast Copper Alloy Pipe Flanges, Flanged Fittings, and Valves Classes 150, 300, 600, 900, 1500, and 2500
- ASME B16.25 - Buttwelding Ends
- ASME B16.28 - WROUGHT STEEL BUTTWELDING SHORT RADIUS ELBOWS AND RETURNS
- ASME B16.3 - Malleable Iron Threaded Fittings Classes 150 and 300
- ASME B16.34 - Valves – Flanged, Threaded, and Welding End
- ASME B16.4 - Gray Iron Threaded Fittings Classes 125 and 250
- ASME B16.42 - Ductile Iron Pipe Flanges and Flanged Fittings Classes 150 and 300
- ASME B16.47 - Large Diameter Steel Flanges NPS 26 Through NPS 60 Metric/Inch Standard
- ASME B16.5 - Pipe Flanges and Flanged Fittings NPS 1/2 Through NPS 24 Metric/Inch Standard
- ASME B16.50 - Wrought Copper and Copper Alloy Braze-Joint Pressure Fittings
- ASME B16.9 - Factory-Made Wrought Buttwelding Fittings

- ASME B18.1.2 - Large Rivets 1/2 Inch Nominal Diameter and Larger Revision of B18.4-1960
- ASME B18.2.1 - Square, Hex, Heavy Hex, and Askew Head Bolts and Hex, Heavy Hex, Hex Flange, Lobed Head, and Lag Screws (Inch Series)
- ASME B18.2.2 - Nuts for General Applications: Machine Screw Nuts; and Hex, Square, Hex Flange, and Coupling Nuts (Inch Series)
- ASME B18.2.3.3M - Metric Heavy Hex Screws
- ASME B18.2.3.5M - Metric Hex Bolts
- ASME B18.2.3.6M - Metric Heavy Hex Bolts
- ASME B18.2.6M - Metric Fasteners for Use in Structural Applications
- ASME B18.22.1 - Plain Washers Reaffirmation and Redesignation of ASA B27.2-1965
- ASME B18.3 - Socket Cap, Shoulder, Set Screws, and Hex Keys (Inch Series)
- ASME B18.31.2 - Continuous Thread Stud, Double-End Stud, and Flange Bolting Stud (Stud Bolt) (Inch Series)
- ASME B31.1 - Power Piping
- ASME B31.3 - Process Piping
- ASME B36.10 - Welded and Seamless Wrought Steel Pipe
- ASME B36.19 - Welded and Seamless Wrought Stainless-Steel Pipe
- ASME B46.1 - SURFACE TEXTURE (SURFACE ROUGHNESS, WAVINESS, AND LAY)
- ASME CA-1 - Conformity Assessment Requirements
- ASME FFS-1 - Fitness-For-Service
- ASME NQA-1 - Quality Assurance Requirements for Nuclear Facility Applications
- ASME PCC-1 - Pressure Boundary Bolted Flange Joint Assembly
- ASME PCC-2 - Repair of Pressure Equipment and Piping
- ASME PCC-3 - Inspection Planning Using Risk-Based Methods
- ASME PTC 25 - Pressure Relief Devices
- ASME PVHO-1 - Safety Standard for Pressure Vessels for Human Occupancy
- ASME QAI-1 - Qualifications for Authorized Inspection
- ASME RA-S - Standard for Level 1/Large Early Release Frequency Probabilistic Risk Assessment for Nuclear Power Plant Applications Includes Interpretations Volume 1
- ASME RA-SA - Addenda to Standard for Level 1/Large Early Release Frequency Probabilistic Risk Assessment for Nuclear Power Plant Applications
- ASME RA-SB - Addenda to Standard for Level 1/Large Early Release Frequency Probabilistic Risk Assessment for Nuclear Power Plant Applications

ASME BPVC – ASME Reference Standards Collection and BPVC Packages that include the ASME Referenced Standards:

- 2000048373 - ASME - BPVC Reference Standards wDRM A/H - Online
- 2000048376 - ASME - BPVC Complete 1983-Fwd, with ASME Reference Standards wDRM A/H - Online

- 2000048384 - ASME - BPVC Nonnuclear (I, II, IID, VIII, V, IX, CC-BPV, Interpretations (1983-Fwd), with ASME Reference Standards) wDRM A/H - Online
- 2000048383 - ASME - BPVC Nonnuclear (I, II, IID, VIII, V, IX, CC-BPV, Interpretations (1983-Fwd), with ASME Reference Standards and the Petrochem Package Standards wDRM A/H - Online
- 2000048387 - ASME - BPVC Nonnuclear+ (I, II, IID, VIII, IV, V, VI, VII, IX, XII, CC-BPV, Interpretations, (1983-Fwd), with ASME Reference Standards wDRM A/H - Online
- 2000048388 - ASME - BPVC Nuclear Basic (III, XI, Interpretations, CC-NUC (1983-Fwd), with ASME Reference Standards wDRM A/H - Online
- 2000048390 - ASME - BPVC Nuclear+ (II, IID Customary, III, V, XI Div. 1 & Div. 2, CC-NUC (1983-Fwd), with ASME Reference Standards wDRM A/H - Online
- 2000048391 - ASME - BPVC Nuclear+ (II, IID Metric, III, V, XI Div. 1 & Div. 2, CC-NUC (1983-Fwd), with ASME Reference Standards wDRM A/H - Online
- 2000048394 - ASME - BPVC Pressure Vessels Basic (II, IID Customary, VIII-1, V, IX, Interpretations (1983-Fwd), with ASME Reference Standards wDRM A/H - Online
- 2000048396 - ASME - BPVC Pressure Vessels Basic (II, IID Metric, VIII-1, V, IX, Interpretations (1983-Fwd), with ASME Reference Standards wDRM A/H - Online
- 2000048398 - ASME - BPVC Pressure Vessels+ (II, IID Customary, VIII, V, IX, Interpretations (1983-Fwd), with ASME Reference Standards wDRM A/H - Online
- 2000048399 - ASME - BPVC Pressure Vessels+ (II, IID Metric, VIII, V, IX, Interpretations (1983-Fwd), with ASME Reference Standards wDRM A/H - Online



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