

ASME Codes and Standards – An Overview

ASME: "Setting the Standard" for 125 Years

ASME helped pioneer the development of modern industrial codes, beginning with its first published standard in 1884 on pressure-testing for boilers. It seeks to balance interests among its 4,000 technical experts drawn from industry, government and academia, while achieving consensus in the finished output. The process remains open and transparent throughout, yielding codes that with-stand scrutiny across markets and jurisdictions.

These development efforts are rigorous and up-to-date, and reflect best practices of industry. Hence, they have earned the confidence of regulators around the world and the principles of ASME's standards development process are consistent with those of the World Trade Organization TBT Agreement. ASME's more than 500 codes are now adopted into law, all or in part, within more than 100 nations. These codes and standards are invaluable resources for

industry and governments that help to establish safety and productivity enhancements in areas ranging from operation and maintenance of nuclear power plants to design of fasteners and plumbing fittings.

To learn more about ASME Codes and Standards' 125th Anniversary Celebration, visit: www.go.asme.org/es125.

About ASME

Founded in 1880 as the American Society of Mechanical Engineers, ASME is a not-for-profit professional organization promoting the art, science and practice of mechanical and multidisciplinary engineering and allied sciences. With a membership of more than 127,000 mechanical engineers and allied professionals from around the world, ASME develops codes and standards that enhance public safety, and provides lifelong learning and technical exchange opportunities to benefit the global engineering and technology community.

Over 100 Years of ASME PTCs: Ensuring State-of-the-Art Quality for State-of-the-Art Technology

In 1884, the ASME published "Rules for Conducting Boiler Tests." On April 13, 1909, the Power Test Committee was chartered by the Council of ASME to "revise the present testing codes of the Society relating to boilers, pumping engines, locomotives, steam engines, internal combustion engines ...etc." In 1915, the "Rules for Conducting Performance Test of Power Plant Apparatus" was published. Over the years numerous test codes and supplements have been published. Some have been revised and others withdrawn as new technological advances have necessitated the issuance of state-of-the-art test codes. Today, some three dozen test codes are available for testing power plant equipment, such as fired steam generators, steam turbines and gas turbines as well as testing fuel cells and combined cycle gasification plants. It is Society policy to review each standard every five years to determine whether a revision is necessary.



ASME Performance Test Codes (PTCs) provide uniform rules and procedures for the planning, preparation, execution, and reporting of performance test results. They provide protocols for establishing testing parameters and methods of measurement. They provide mathematical examples on computing the test results and statistical methods to determine the quality of the tests by calculating the test uncertainty.



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Seventy-five Years of the ASME Materials Division American Society of Mechanical Engineers. Materials Division, 1995 Chemical Abstracts Service Source Index American Chemical Society. Chemical Abstracts Service, 1907 A key source to journal and conference abbreviations in the sciences Although it focuses on chemistry other scientific and engineering disciplines are also well represented In addition to the abbreviation and full title each entry also contains publishing info title changes language and frequency of publication and libraries owning that title Over 130 000 entries representing more than 70 000 publications dating back to 1907 are included Publications of the National Institute of Standards and Technology ... Catalog National Institute of Standards and Technology (U.S.),1992 Bibliography on Fibers and Composite Materials, 1972-1978, 1978 This bibliography continues and updates previously issued reports by Battelle's Columbus Laboratories information centers on fibers fiber reinforced composites as well as laminate particulate and eutectic composite materials No organic matrix composites or fibers are included This edition includes 2367 literature references published between January 1972 and September 1978 The references are arranged alphabetically according to author's last name or the name of the organization concerned and chronologically by year of publication The subject categorization of this edition is similar to that used in the earlier bibliographies References pertaining only to fibers are indexed as 1 general reviews 2 growth forming or surface treatments and or 3 test methods and structural properties Entries relating to composites are broadly indexed according to matrix materials and specifically by fiber materials Composites are also indexed at least once in the following areas 1 compatibility studies 2 theory analysis micromechanics and design 3 testing and evaluation 4 application 5 general review articles 6 fabrication and 7 coatings The report includes both an authors index and a subject index Author Nuclear Science Abstracts ,1975 Machinery Fred Herbert Colvin, Lester Gray French, 1959 Railway Machinery, 1959

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