



# Piping and Pipeline Standards

An International Piping Code

## ASME B31

These Standards prescribe requirements for the design, materials, fabrication, construction, testing, inspection, operation and maintenance of piping systems found across a wide range of industries including electric power generation; petrochemical; distribution and transportation pipelines; industrial and cryogenics; building services piping; and refrigeration, among others. Our Standards enable users to:

- Comply with important regulations within their jurisdictions
- Follow industry best-practices
- Achieve operational, cost and safety benefits

## ASME B31 includes the following Standards:

- [ASME B31.1–2018 Power Piping](#)
- [ASME B31.3–2018 Process Piping](#)
- [ASME B31.4–2016 Pipeline Transportation Systems for Liquids and Slurries](#)
- [ASME B31.5–2016 Refrigeration Piping and Heat Transfer Components](#)
- [ASME B31.8–2018 Gas Transmission and Distribution Piping Systems](#)
- [ASME B31.8S–2018 Managing System Integrity of Gas Pipelines](#)
- [ASME B31.9–2017 Building Services Piping](#)
- [ASME B31.12–2014 Hydrogen Piping and Pipelines](#)
- [ASME B31E–2008 Standard for the Seismic Design and Retrofit of Above-Ground Piping Systems](#)
- [ASME B31G–2012 Manual for Determining the Remaining Strength of Corroded Pipelines](#)
- [ASME B31J–2017 Standard Test Method for Determining Stress Intensification Factors \(I-Factors\) for Metallic Piping Components](#)
- [ASME B31P–2017 Standard Heat Treatment for Fabrication Processes](#)
- [ASME B31Q–2018 Pipeline Personnel Qualification](#)
- [ASME B31T–2018 Standard Toughness Requirements for Piping](#)

## ASME B31 includes the following Courses:

- [PIP206 – Practical Piping Design](#)
- [PD014 – Process Piping Design](#)
- [PD720 – Managing and Coordinating Piping Projects](#)
- [PD723 – B31.4 & B31.8, Liquids and Gas Pipelines](#)
- [PD777 – Pipe Sizing, Pipewall Stresses and Water Hammer](#)
- [PD798 – ASME BPV Code, Section I: Power Boiler Combo Course](#)

**Intended for:** anyone involved in engineering or technical aspects of pipelines, including designers, engineers, inspectors, compliance managers and pipeline safety regulators.

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