

Piping Questionnaire - Part 1: Codes & Standards

Q1. What is the ASME code followed for the design of process piping systems?

The standard code followed for the design of process piping systems in refineries and chemical industries is ASME B31.3 (Process Piping).

Q2. Which American institute standards do piping engineers primarily refer to?

Piping engineers refer to several standard institutes, including:

- API (American Petroleum Institute)
- AISI (American Iron & Steel Institute)
- ASTM (American Society for Testing and Materials)
- ANSI (American National Standards Institute)
- AWS (American Welding Society)
- AWWA (American Water Works Association)
- ASME (American Society of Mechanical Engineers)

Q3. What are the different ASME B31 codes used for pressure piping?

- ASME B31.1: Power Piping
- ASME B31.2: Fuel Gas Piping
- ASME B31.3: Process Piping
- ASME B31.4: Pipeline Transportation Systems for Liquid Hydrocarbons
- ASME B31.5: Refrigeration Piping
- ASME B31.8: Gas Transmission & Distribution Piping Systems
- ASME B31.9: Building Services Piping
- ASME B31.11: Slurry Transportation Piping Systems

Q4. What are the different sections of the ASME Boiler & Pressure Vessel Code?

- Section I: Rules for construction of Power Boilers
- Section II: Materials
- Section V: Non-Destructive Examination (NDE)
- Section VIII: Rules for construction of Pressure Vessels (Divisions I & II)
- Section IX: Welding & Brazing Qualifications

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