



Fundamentals of Piping Design (A Design and Data Book)

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Product Description

This book offers a comprehensive introduction to the design of piping systems for professional engineers. It explains the fundamentals of piping design along with essential data and practical guidelines in a clear, accessible manner. Covering material selection, layout development, stress analysis, and computer-aided design, the book draws from international standards such as ASME, ASTM, IS, and BS. It balances theory with real-world application, featuring detailed illustrations and a case study using software tools, making it a valuable reference across industries like power, oil & gas, waterworks, and chemicals processing.

SALIENT FEATURES OF THE BOOK

- Provides essential design knowledge for piping systems across industries.
- Includes data from ASME, ASTM, IS, BS, and other international standards.
- Covers the complete design process: piping layout, material selection, stress analysis, and support design.
- Contains a detailed case study on pipe stress analysis using computer-based software.
- Suitable for piping, project, system, and maintenance engineers.
- Applicable to power plants, waterworks, oil and gas pipelines, and chemical industries.
- Rich in illustrations, practical examples, and ready-reference design charts.

Author

K. Roy (BE, M.Tech. , FIE) is a seasoned engineering professional with over 37 years of experience at Steel Authority of India Limited (SAIL). He held senior positions including General Manager in the Centre for Engineering & technology (CET), where he led design, engineering, and consultancy services in utilities and services. He also contributed significantly as a research Engineering, and consultancy services in development Centre for Iron & Steel (RDCIS), SAIL, Shri Roy retired as general manager from CET and resides in Kolkata.



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