



Industrial Steam Systems: Fundamentals and Best Design Practices

By Mojtaba Sabet

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Develop a Complete and Thorough Understanding of Industrial Steam Systems

Industrial Steam Systems: Fundamentals and Best Design Practices is a complete, concise user's guide for plant designers, operators, and other industry professionals involved with such systems. Focused on the proper safety design and setup of industrial steam systems, this text aligns essential principles with applicable regulations and codes. Incorporating design and operation guidelines from the latest available literature, it describes the industrial steam system equipment and its operation, outlines the requirements of a functioning boiler room, and explains how to design and engineer an industrial steam system properly.

From Beginner to Advanced—All within a Single Volume

Industrial steam systems are one of the main utility support systems used for almost all manufacturing. This text describes the design and operation of industrial steam systems in simple steps that are extremely beneficial for engineers, architects, and operators. The book help readers with the information needed for the steam systems professional engineering test and boiler operator's certificate. The text includes a sample project, executed in detail, to explain the system. It also presents relevant examples throughout the text to aid in faster learning.

This author covers:

- Industrial steam system fundamentals and elementary information
- System setup and required equipment
- Applicable codes and regulations
- Equipment operation principals
- Best design practices for system setup, piping and instrumentation, equipment and pipe sizing, and equipment selection
- Execution of a sample project

Industrial Steam Systems: Fundamentals and Best Design Practices presents an overview of the design, installation, and operation of industrial steam systems. Understanding the system setup, controls, and equipment, and their effect on each other enables readers to learn how to troubleshoot, maintain, and operate an industrial steam system that provides high quality steam efficiently.

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Industrial Steam Systems: Fundamentals and Best Design Practices By Mojtaba Sabet Bibliography

- Rank: #3766522 in eBooks
- Published on: 2016-02-03
- Released on: 2016-02-03
- Format: Kindle eBook

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Editorial Review

Review

"This book is a reflection of the personality and intelligence of the author. Having worked with Mr. Sabet and known him for nearly twenty years, it is not surprising that he has generated a very comprehensive, thoughtful, intelligent manual that power plant engineers can use to successfully plan and design a steam plant. "

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