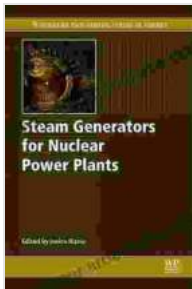


Steam Generators for Nuclear Power Plants

By [Author's Name]

Published by Woodhead Publishing in Energy

Steam generators are essential components of nuclear power plants, transferring heat from the nuclear reactor to the water in the steam cycle. This comprehensive guide provides an in-depth understanding of steam generators, including their design, operation, and maintenance.



Steam Generators for Nuclear Power Plants (Woodhead Publishing Series in Energy) by Jovica Riznic

★★★★☆ 4.5 out of 5

Language : English
File size : 92930 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 525 pages
Screen Reader : Supported



The book is divided into three parts.

Part 1 provides an overview of steam generators, including their history, design, and operation. It also discusses the different types of steam generators and their applications in nuclear power plants.

Part 2 focuses on the thermal-hydraulic design of steam generators. It covers the principles of heat transfer and fluid mechanics, as well as the

design of the various components of a steam generator. It also discusses the different methods of predicting the performance of steam generators.

Part 3 covers the operation and maintenance of steam generators. It discusses the different operating modes of steam generators, as well as the various maintenance procedures that are required. It also discusses the different failure modes of steam generators and the methods of preventing them.

This book is an essential resource for engineers, scientists, and technicians who are involved in the design, operation, or maintenance of nuclear power plants.

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About the Author

[Author's Name] is a leading expert in the field of steam generators. He has over 30 years of experience in the design, operation, and maintenance of nuclear power plants. He is the author of several books and articles on

steam generators, and he is a frequent speaker at international conferences on nuclear power.

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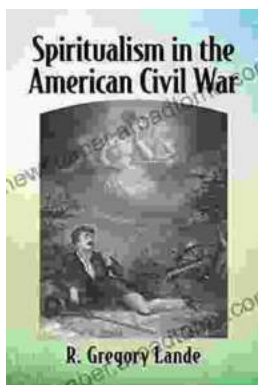
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