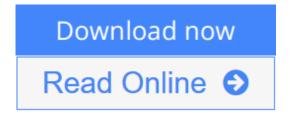


# Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering)

By Kuppan Thulukkanam



**Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering)** By Kuppan Thulukkanam

Completely revised and updated to reflect current advances in heat exchanger technology, **Heat Exchanger Design Handbook**, **Second Edition** includes enhanced figures and thermal effectiveness charts, tables, new chapter, and additional topics—all while keeping the qualities that made the first edition a centerpiece of information for practicing engineers, research, engineers, academicians, designers, and manufacturers involved in heat exchange between two or more fluids.

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- A new chapter on heat exchanger installation, operation, and maintenance practices
- Classification chapter now includes coverage of scrapped surface-, graphite-, coil wound-, microscale-, and printed circuit heat exchangers
- Thorough revision of fabrication of shell and tube heat exchangers, heat transfer augmentation methods, fouling control concepts and inclusion of recent advances in PHEs
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#### Review

"One of the most important strengths I noticed after reading Chapter 1 was the detailed description about the different kinds of heat exchangers. This kind of description is ideal for students and industry professionals. ... Looking at the contents and title, the author has made efforts to cover all aspects of heat exchanger design related to concepts, materials, geometry, fabrication, quality control and maintenance. .... I found it extremely useful as a design reference guide for industry professionals or course text book for engineering students."

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#### About the Author

**Thulukkanam Kuppan** works for the Indian Railway Service of Mechanical Engineers, and is based in Chennai, India. He is author of the successful *Heat Exchanger Design Handbook, First Edition* published by Marcel-Dekker (now CRC Press) in 2000. Kuppan is a noted authority in the area of heat exchangers, pressure vessels, and railway technologies. He has years of practical experience through his work with the Indian Railways, and is well-known in industry and academia in South Asia.

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