

The book was found

Unit Operations In Chemical Engineering



Synopsis

A revised edition of a text on unit operations of chemical engineering, this work contains updated and new material reflecting in part the broadening of the chemical engineering profession into new areas such as food processing, electronics and biochemical applications. As in previous editions, separate chapters are devoted to each of the four principle unit operations - fluid mechanics, heat transfer, equilibrium stages and mass transfer, and operations involving particulate solids - and includes coverage of adsorption, absorption and membrane separation. There is also detailed treatment of solids-handling operations and solid-liquid separations. In this fifth edition, SI units are given greater emphasis and some two-third of the end-of-chapter problems have been revised. In addition, there is new material on membrane separations, flow measurement, dispersion operations, supercritical extraction, pressure-swing adsorption and sedimentation. Also available is a solutions manual (0-07-044845-0).

Book Information

Series: McGraw-Hill Chemical Engineering Series

Hardcover: 1088 pages

Publisher: McGraw-Hill College; 5 Sub edition (January 1, 1993)

Language: English

ISBN-10: 0070448442

ISBN-13: 978-0070448445

Product Dimensions: 1.8 x 7 x 9.8 inches

Shipping Weight: 3.6 pounds

Average Customer Review: 3.8 out of 5 stars 9 customer reviews

Best Sellers Rank: #1,413,054 in Books (See Top 100 in Books) #95 in [Books > Engineering & Transportation > Engineering > Chemical > Unit Operations & Transport Phenomena](#) #857 in [Books > Textbooks > Engineering > Chemical Engineering](#) #8570 in [Books > Science & Math > Chemistry](#)

Customer Reviews

This is the longest running textbook in the discipline. The book's origin goes back to 1931 (Badger and McCabe, "Elements of Chemical Engineering"). In 1956, Badger and McCabe went separate ways and McCabe wrote the first edition of Unit Operations of Chemical Engineering with J. C. Smith. Peter Harriott became a co-author for the 1985 edition. The continued use of the book in some universities just show the usefulness of the Unit Operations concept in chemical engineering

education.

I work in the chemical operations sector. I will highly recommend this book for 3rd or 4th year future chemical engineers. It contains viable information on many units that they will just have to know about. However, I will not recommend it for working operation engineers. It is too general for us, it doesn't problem shoot units such as pumps and compressors. I don't think that I have much use for this book, specially that I own the Perry's Handbook.

Warning: This is not a textbook. Basically, they took out some of the stuff from Perry's and rewrote it more carefully and filled in some of the details. In general, this book is hard to read, missing important things, and burdened with unimportant things. It really does no justice to the quality and quantity of amazing insight inside the head of Peter Harriott (from whom I've taken classes). I can't deny that it makes an awesome reference book, but woe to any class that depends on this book.

I'm a student at the University of Florida, where this text has been required for Unit Operations classes (fluids and separations). Frankly I think a better treatment of transport process should be a prerequisite for using this book, as such fundamental theory is insufficiently developed in this text. Even as a pure unit ops. text, I feel it is inferior to several other works, including Perry's Handbook.

This book is userfriendly. I bought this in 1982. Still, I use this book when I need any information about unit operations of chemical engineering (fluid flow, heat transfer, mass transfer). Sometimes, I use this book like dictionary. I mean that I carry this book where I go

it is the best books i have ever read in my semester of chemical engineering. the topic i like the most, is transportation of fluids. this book is recommended by my professor. the matter of turbulent flow and laminar flow is just fantastic. thank you!

I went to Cornell where Prof. Harriot teaches. This book is a must for reference. There are points where it is a little difficult but it is really a overall good book.

If you are a Chemical Engineer and couldn't afford the Perry's, this book is a must!!

[Download to continue reading...](#)

Unit Operations of Chemical Engineering (7th edition) (McGraw Hill Chemical Engineering Series)

Unit Operations of Chemical Engineering Unit Operations of Chemical Engineering, 7th Edition (College le (Reprints)) Unit Operations of Chemical Engineering. Warren L. McCabe, Julian C. Smith, Peter Harriott 7th edition by McCabe, Warren L. (2005) Paperback Unit Operations In Chemical Engineering Fluid Mechanics for Chemical Engineers (UK Higher Education Engineering Chemical Engineering) Introduction to Chemical Engineering Thermodynamics (The McGraw-Hill Chemical Engineering Series) Fundamentals of Chemical Engineering Thermodynamics (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Basic Principles and Calculations in Chemical Engineering (8th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Elements of Chemical Reaction Engineering (5th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Essentials of Chemical Reaction Engineering (Prentice Hall International Series in Physical and Chemical Engineering) Fundamental Concepts and Computations in Chemical Engineering (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Numerical Methods with Chemical Engineering Applications (Cambridge Series in Chemical Engineering) Unit Operations and Processes in Environmental Engineering, Second Edition A Unit of Water, a Unit of Time Storage Unit Auctions: A Practical Guide to Profiting with Storage Unit Auctions Complete 3rd Marine Division Unit Rosters: Compiled from January 1945 Muster Roll (USMC WWII Unit Rosters) Fluid Mechanics for Chemical Engineers (McGraw-Hill Chemical Engineering) Kinetics of Chemical Processes: Butterworth-Heinemann Series in Chemical Engineering Analysis, Synthesis and Design of Chemical Processes (4th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)