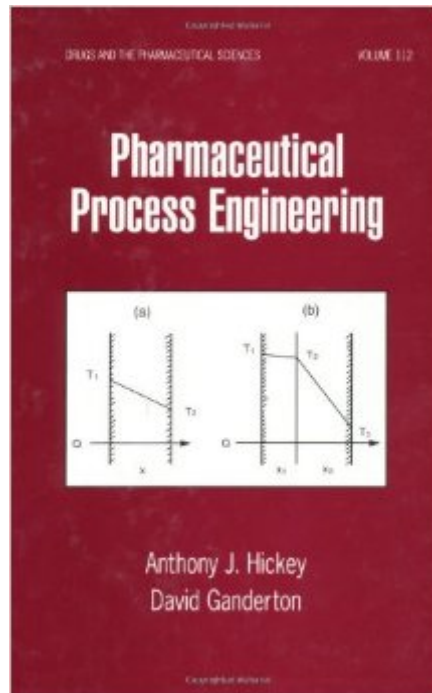


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# Pharmaceutical Process Engineering (Drugs And The Pharmaceutical Sciences)



## Synopsis

Summarizing fundamental engineering principles and operations critical to converting bulk pharmaceutical products into patient-ready and appropriate drug delivery dosage forms, Pharmaceutical Process Engineering facilitates comprehensive understanding of the practical aspects of drug production in an accessible, step-by-step format. It provides a pharmaceutical perspective on unit operations that improves communication among diverse professionals in the field-from pharmaceutical researchers to chemical and industrial engineers-and fully covers the relationship of pharmaceutical development to the application of key concepts and major unit operations in pharmaceutical engineering.

## Book Information

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## Customer Reviews

I wanted a good reference book for our group library. Other books in this series are great, but this one is lame. Based on this book, I'd say these authors know nothing about pharmaceutical process engineering. Hickey expressed regret that the original version had gone out of print, I regret that he revived it. He presents a poor collection of unit ops with smudged 1950's style graphics. Your money will be better spent on McCabe or Geankopolis and a membership to ISPE. Any minimal treatise on pharmaceutical process engineering describes how to identify critical process parameters that affect the critical quality attributes of the product, how to develop process flows, the engineering principles and concepts used to select the appropriate unit ops, and how to develop

appropriate monitoring and control strategies. This book is sub-minimal. Hickey's treatment of sterilization was a joke. I can't believe that the five or six lines he has on steam sterilization was all he could come up with. Since he obviously has never dealt with steam sterilization in pharma, he could've at least googled the subject so he could present something useful to the reader.

An above average treatment, although a bit too brief in many areas, especially the various unit operations. One must have some basic understanding of chemical engineering concepts to follow through the pages, although the initial few chapters tried to address that. However, there are still plenty of useful insights with regards to pharmaceutical process engineering. Could do with more figures of actual equipment used in the pharmaceutical industry.

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