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## Rules of Thumb for Chemical Engineers, 6<sup>th</sup> Edition

The most exhaustive and complete guide to common rules of thumb and formulas used by chemical and process engineers

### Key Features

- Features Safety Considerations for Projects and Unit Operations
- Includes Chapters on Risk Assessments, Process Modeling, and Energy Conservation
- Includes Additional Tables with Typical Values and New Calculations
- Features Supporting Data for Selecting and Specifying a Wide Range of Unit Operations

### Description

*Rules of Thumb for Chemical Engineers, Sixth Edition*, is the most complete guide for chemical and process engineers who need reliable and authoritative solutions to on-the-job problems. The text is comprehensively revised and updated with new data and formulas. The book helps solve process design problems quickly, accurately and safely, with hundreds of common sense techniques, shortcuts and calculations. Its concise sections detail the steps needed to answer critical design questions and challenges. The book discusses physical properties for proprietary materials, pharmaceutical and biopharmaceutical sector heuristics, process design, closed-loop heat transfer systems, heat exchangers, packed columns and structured packings, and much more.

### About the Author

Stephen Hall is the Chief Process Engineer at Genesis. He graduated from the University of Pennsylvania with a Bachelor of Science degree in Chemical Engineering (1974). His career in the chemical process industries includes positions at both manufacturing and engineering companies. His experience crosses the Pharmaceutical, Food, Specialty Chemical and Petrochemical industries. He has published several articles on chemical engineering topics, and has written computer software programs. ([www.pipesizingsoftware.com](http://www.pipesizingsoftware.com))

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Chemical Engineers**

Sixth Edition

Stephen M. Hall, PE

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