



# Ludwig's Applied Process Design for Chemical and Petrochemical Plants: 1

*PhD A. Kayode Coker*

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KEY FEATURES

- Assists engineers in rapidly analyzing problems and finding effective design methods and mechanical specifications
- Definitive guide to the selection and design of various equipment types, including heat exchanger sizing and compressor sizing, with established design codes
- Batch heating and cooling of process fluids supported by Excel programs

## DESCRIPTION

The fourth edition of Ludwig's Applied Process Design for Chemical and Petrochemical Plants, Volume Three is a core reference for chemical, plant, and process engineers and provides an unrivalled reference on methods, process fundamentals, and supporting design data.

New to this edition are expanded chapters on heat transfer plus additional chapters focused on the design of shell and tube heat exchangers, double pipe heat exchangers and air coolers. Heat tracer requirements for pipelines and heat loss from insulated pipelines are covered in this new edition, along with batch heating and cooling of process fluids, process integration, and industrial reactors. The book also looks at the troubleshooting of process equipment and corrosion and metallurgy.

Ludwig's Applied Process Design for Chemical and Petrochemical Plants, Volume 3, Fourth Edition is a true application-driven book. It provides clarity and easy access to essential process plant data and design information. It actually covers a complete range of basic day-to-day chemical operation main elements..... This fourth edition is significantly expanded and updated, with new topics that ensure readers can analyze problems and find practical design methods and solution to accomplish their process design tasks. The very large overview means that this reference manual can be well-used by both

academics and those in industry. João Hiluy, Book Review tce

This book represents a considerable amount of present-day engineering data and design information that should not only be of extraordinary value to the process chemical engineer looking for excellent information on Unit Operations equipment but also serves as a detailed source of help for process design and equipment specifications. Art Montemayor, Spring, Texas, CEP magazine

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