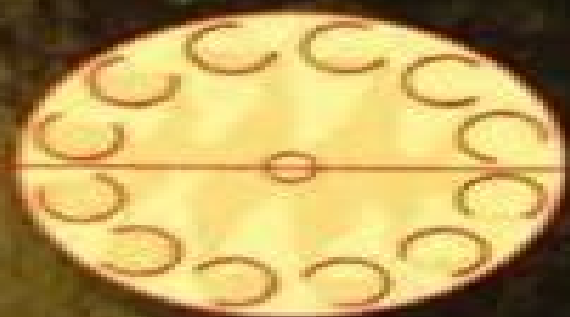


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TECHNIQUES**  
*for*  
**CHEMICAL  
ENGINEERS**  
*Second Edition*



*Philip A. Schweitzer*  
*Editor in Chief*

# Handbook Of Separation Techniques For Chemical Engineers

**J H Harker, J R Backhurst, J.F.  
Richardson**



## **Handbook Of Separation Techniques For Chemical Engineers:**

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Chemical Process Equipment James R. Couper, W. Roy Penney, 2012-09-19 First published Chemical process equipment Stanley M Walas 1988     Separation Processes in Waste Minimization Robert B. Long, 2020-09-10 This work offers an accessible discussion of current and emerging separation processes used for waste minimization showing how the processes work on a day to day basis and providing troubleshooting tips for equipment that doesn t function according to design specifications It describes the fundamentals of over 30 processes types of equipment available vendors and common problems encountered in operations with hazardous waste     *Chemical Engineering Design* Ray Sinnott, 2005-07-01 Chemical Engineering Design is one of the best known and widely adopted texts available for students of chemical engineering It deals with the application of chemical engineering principles to the design of chemical processes and

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demonstrate and support the design process Heavily illustrated with many line drawings and schematics to aid understanding graphs and tables to illustrate performance data

Industrial Waste Treatment Processes Engineering Gaetano Celenza, 2020-08-13 Industrial Waste Treatment Process Engineering is a step by step implementation manual in three volumes detailing the selection and design of industrial liquid and solid waste treatment systems It consolidates all the process engineering principles required to evaluate a wide range of industrial facilities starting with pollution prevention and source control and ending with end of pipe treatment technologies Industrial Waste Treatment Process Engineering guides experienced engineers through the various steps of industrial liquid and solid waste treatment The structure of the text allows a wider application to various levels of experience By beginning each chapter with a simplified explanation of applicable theory expanding to practical design discussions and finishing with system Flowsheets and Case Study detail calculations readers can enter or leave a section according to their specific needs As a result this set serves as a primer for students engaged in environmental engineering studies AND a comprehensive single source reference for experienced engineers Industrial Waste Treatment Process Engineering includes design principles applicable to municipal systems with significant industrial influents The information presented in these volumes is basic to conventional treatment procedures while allowing evaluation and implementation of specialized and emerging treatment technologies What makes Industrial Waste Treatment Process Engineering unique is the level of process engineering detail The facility evaluation section includes a step by step review of each major and support manufacturing operation identifying probable contaminant discharges practical prevention measures and point source control procedures This theoretical plant review is followed by procedures to conduct a site specific pollution control program The unit operation chapters contain all the details needed to complete a treatment process design Industrial Waste Treatment Process Engineering will interest environmental engineers chemical process engineers working in environmental engineering civil engineers with environmental specialties as well as graduate students in environmental engineering corporate environmental engineers plant engineers and industry and university technical libraries These books supplement existing texts detailing the regulatory legal and permit preparation requirements imposed on manufacturing facilities Additionally Industrial Waste Treatment Process Engineering is designed for engineers preparing environmental appropriations for corporate funding and developing systems for plant facilities sensitive to operating costs

Air Pollution Control Equipment Selection Guide Kenneth C. Schifftnr, 2021-05-16 This new edition of Air Pollution Control Equipment Selection Guide builds upon the successes of previous editions that developed a detailed discussion on various technologies used for air pollution control This book covers a wide range of equipment and provides a good overview of the related principles and applications A particularly valuable feature are the practical examples not commonly available in other books Based on the author s fifty years of experience in applying and operating air pollution control equipment this book provides easy to read information on basic air pollution control technology and is the

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*Water Resource Management Issues* Louis Theodore,R. Ryan Dupont,2019-11-26

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Chemical Engineering Design Gavin Towler,Ray Sinnott,2021-07-14 Chemical Engineering Design Principles Practice and Economics of Plant and Process Design is one of the best known and most widely adopted texts available for students of

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**Principles of Mineral Processing** Maurice C. Fuerstenau, Kenneth N. Han, 2003 This comprehensive reference examines all aspects of mineral processing from the handling of raw materials to separation strategies to the remediation of waste products It incorporates state of the art developments in the fields of engineering chemistry computer science and environmental science

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