

[MOBI] Liquid Liquid Coalescer Design Manual

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Economic Sustainability and Environmental Protection in Mediterranean Countries through Clean Manufacturing Methods-José Coca-Prados 2012-10-16 This volume, with contributions from a team of multi-disciplinary team experts, addresses the economic sustainability and clean manufacturing methods to deal with the challenges that water scarcity and water quality are imposing on many countries, particularly on Mediterranean arid areas, that are threatening their economic and social development. Water plays a crucial role in industry, agriculture and daily life. Its use has increased ten-fold between 1900 and 2000. On a global scale, about 70 % of clean water from available sources is used for agricultural purposes, primarily irrigation, the rest of it being used for domestic and industrial purposes. With the actual demographic and economic trends, it is expected that by 2025, two-thirds of the world population will live in water-stressed areas and it is expected a 40 % increase in water consumption.

Pressure Vessel Design Manual-Dennis R. Moss 2012-12-31 Pressure vessels are closed containers designed to hold gases or liquids at a pressure substantially different from the ambient pressure. They have a variety of applications in industry, including in oil refineries, nuclear reactors, vehicle airbrake reservoirs, and more. The pressure differential with such vessels is dangerous, and due to the risk of accident and fatality around their use, the design, manufacture, operation and inspection of pressure vessels is regulated by engineering authorities and guided by legal codes and standards. Pressure Vessel Design Manual is a solutions-focused guide to the many problems and technical challenges involved in the design of pressure vessels to match stringent standards and codes. It brings together otherwise scattered information and explanations into one easy-to-use resource to minimize research and take readers from problem to solution in the most direct manner possible. Covers almost all problems that a working pressure vessel designer can expect to face, with 50+ step-by-step design procedures including a wealth of equations, explanations and data Internationally recognized, widely referenced and trusted, with 20+ years of use in over 30 countries making it an accepted industry standard guide Now revised with up-to-date ASME, ASCE and API regulatory code information, and dual unit coverage for increased ease of international use

Handbook of Natural Gas Transmission and Processing-Saeid Mokhatab 2012-08-08 A unique, well-documented, and forward-thinking work, the second edition of Handbook of Natural Gas Transmission and Processing continues to present a thoroughly updated, authoritative, and comprehensive description of all major aspects of natural gas transmission and processing. It provides an ideal platform for engineers, technologists, and operations personnel working in the natural gas industry to get a better understanding of any special requirements for optimal design and operations of natural gas transmission pipelines and processing plants. First book of its kind that covers all aspects of natural gas transmission and processing Provides pivotal updates on the latest technologies, which have not been addressed in-depth in any existing books Offers practical advice for design and operation based on sound engineering principles and established techniques Examines ways to select the best processing route for optimal design of gas-processing plants Contains new discussions on process modeling, control, and optimization in gas processing industry

Chemical Engineering Progress- 2003

Chemical Engineering Equipment Buyers' Guide- 1990

Chemical Engineering Catalog- 1991

Hydrocarbon Processing- 1988

Chemical Engineering- 2006

Thomas Register of American Manufacturers- 2002 This basic source for identification of U.S. manufacturers is arranged by product in a large multi-volume set. Includes: Products & services, Company profiles and Catalog file.

Petroleum Measurement Manual- 1989 This section of the Petroleum Measurement Manual covers the specification, design, installation and operation of metering stations for high accuracy measurement of the bulk flow of gases in pipelines. The types of metering equipment are intended for sales, custody transfer and taxation.

Symposium Proceedings- 1996

The Oil and Gas Journal- 1980

Ammonia Plant Safety (and Related Facilities)-American Institute of Chemical Engineers 1999

Thomas Register of American Manufacturers and Thomas Register Catalog File- 2003 Vols. for 1970-71 includes manufacturers' catalogs.

Chemical Process Equipment-Stanley M. Walas 1988 Wales (chemical and petroleum engineering, U. of Kansas) presents a minimum of essential theory, with numerical examples to illustrate the more involved procedures. Emphasis is placed on short cut methods, rules of thumb and data for design by analogy; a short chapter on costs of equipment is included. The introductory chapters will provide a general background to process design, flowsheeting, and process control. Annotation copyrighted by Book News, Inc., Portland, OR

Hydrocarbon Processing & Petroleum Refiner- 1963-07

Public Works Manual- 1979

Oil and Gas Production Handbook: An Introduction to Oil and Gas Production-Havard Devold 2013*

Design of Oil-handling Systems and Facilities-Ken Arnold 1998 With this volume's clear presentation, you will understand the basic concepts and techniques needed to DESIGN, SPECIFY, and OPERATE oilfield surface production facilities and operations

Gas-Liquid And Liquid-Liquid Separators-Maurice Stewart 2008-10-02 Gas-Liquid And Liquid-Liquid Separators is practical guide designed to help engineers and operators develop a ?feel? for selection, specification, operating parameters, and trouble-shooting separators; form an understanding of the uncertainties and assumptions inherent in operating the equipment. The goal is to help familiarize operators with the knowledge and tools required to understand design flaws and solve everyday operational problems for types of separators. Gas-Liquid And Liquid-Liquid Separators is divided into six parts: Part one and two covers fundamentals such as: physical properties, phase behaviour and calculations. Part three through five is dedicated to topics such as: separator construction, factors affecting separation, vessel operation, and separator operation considerations. Part six is devoted to the ASME codes governing wall thickness determination of vessel weight fabrication, inspection, alteration and repair of separators 500 illustrations Easy to understand calculations methods Guide for protecting downstream equipment Helps reduce the loss of expensive intermediate ends Helps increase product purity

Handbook of Natural Gas Engineering-Donald La Verne Katz 1959

Emulsions and Oil Treating Equipment-Maurice Stewart 2008-12-30 The problem of removing water which is emulsified with produced oil has grown more widespread and often times more difficult as producers attempt to access more difficult reserves. This practical guide is designed to help engineers and operators develop a "feel" for selection, sizing, and troubleshooting emulsion equipment. These skills are of vital importance to ensure low operating costs and to meet crude export quality specifications. The book is written for engineers and operators, who need advanced knowledge of the numerous techniques and the equipment used to destabilize and resolve petroleum emulsions problems. In Emulsions and Oil Treating Equipment: Selection, Sizing and Troubleshooting the author provides engineers and operators with a guide to understanding emulsion theory, methods and equipment, and practical design of a treating system. Comprehensive in its scope, the author explains methods such as: demulsifiers, temperature, electrostatics and non-traditional methods of modulated or pulsed voltage control, as well as equipment such as: electrostatic treater (dehydrator), separator, gunbarr heater-treater and free water knockout. Written in a "how to" format, it brings together hundreds of methods, handy formulas, diagrams and tables in one convenient book. Detailed coverage emulsion equipment and removal methods Tips for selecting, sizing, and operating emulsion equipment Overview of emulsion theory and factors affecting treatment methods Packed with equipment diagrams, worked out calculations covers equipment and removal methods

Proceedings of the ... Turbomachinery Symposium- 1984

Water & Sewage Works- 1978-07 Vols. 76 include Reference and data section for 1929 (1929- called Water works and sewerage data section)

The Journal of Canadian Petroleum Technology- 1987

Natural Gas Measurement Handbook-James E. Gallagher 2013-11-25 This information-packed volume covers all aspects of natural gas measurement.

Directory of Graduate Research-American Chemical Society. Committee on Professional Training 1987

The Virginia Engineer- 2002

Hydrocyclones-L. Svarovsky 2013-03-09 It is with great pleasure and satisfaction that we introduce this volume which comprises the papers accepted for the 4th International Conference on Hydrocyclones held in Southampton from 23rd to 25th September 1992. As the name implies, this is the fourth Conference in the series, with the previous ones held in Cambridge in 1980, Bath in 1984 and Oxford in 1987. The papers cover a wide span of activities, from fundamental research to advances in industrial practice and, as in the earlier volumes, make a significant contribution of lasting value to the technical literature on hydrocyclones. Hydrocyclones continue to widen their appeal to engineers; besides their traditional role in mineral processing they now attract a lot of attention in chemical engineering, the oil and gas industry, power generation, the food industry, textiles, metal working, waste water treatment, pharmaceuticals, biotechnology and other industries. The reason for this continuously increasing attention is, as David Parkinson (General Manager of Conoco (UK)) said recently, that" ... a hydrocyclone is an engineering dream, a machine with no moving parts." Yet as this Volume clearly shows, the hydrocyclone can do so many things and do them well, whether the application is in solid-liquid, liquid-liquid or liquid-gas separation.

Filters and Filtration Handbook-Kenneth S Sutherland 2011-04-18 Filters are used in most industries, especially the water, sewage, oil, gas, food and beverage, and pharmaceutical industries. The new edition of this established title is an all-encompassing practical account of standard filtration equipment and its applications. Completely revised and rewritten, it is an essential book for the engineer working in a plant situation-who requires guidance and information on what's available and whether it's suitable for the job. Co-published with the Institution of Chemical Engineers. Co-published with the Institution of Chemical Engineers. The leading practical engineering guide to filtration techniques, systems and their applications Meets the needs of all key sectors where filtration is a critical process, including chemical processing and manufacture, food, oil and gas, air-conditioning and water A comprehensive sourcebook and reference for plant engineers, process engineers, plant designers, filter media and filtration specialists and equipment specifiers

Manual on Requirements, Handling, and Quality Control of Gas Turbine Fuel- 1973

Proceedings - Offshore Technology Conference- 2001

Instrumentation and Control in the '80's-Instrument Society of America. Chicago Section 1984

Engineering Materials and Design- 1983

Rules of Thumb in Engineering Practice-Donald R. Woods 2007-06-27 An immense treasure trove containing hundreds of equipment symptoms, arranged so as to allow swift identification and elimination of the causes. These rules of thumb are the result of preserving and structuring the immense knowledge of experienced engineers collected and compiled by the author - an experienced engineer himself - into an invaluable book that helps younger engineers find their way from symptoms to causes. This sourcebook is unrivalled in its depth and breadth of coverage, listing five important aspects for each piece of equipment: * area of application * sizing guidelines * capital cost including difficult-to-find installation factors * principles of good practice, and * good approaches to troubleshooting. Extensive cross-referencing takes into account that some items of equipment are used for many different purposes, and covers not only the most familiar types, but special care has been taken to also include less common ones. Consistent terminology and SI units are used throughout the book, while a detailed index quickly and reliably directs readers, thus aiding engineers in their everyday work at chemical plants: from keywords to solutions in a matter of minutes.

Natural Gas Measurement Handbook-James E. Gallagher 2006-12-15 This information-packed volume covers all aspects of natural gas measurement.

EPA Cumulative Bibliography, 1970-1976-United States. Environmental Protection Agency. Library Systems Branch 1977

Solid-Liquid Separation-Ladislav Svarovsky 2013-10-22 Solid-Liquid Separation, Third Edition reviews the equipment and principles involved in the separation of solids and liquids from a suspension. Some important aspects of solid-liquid separation such as washing, flotation, membrane separation, and magnetic separation are discussed. This book is comprised of 23 chapters and begins with an overview of solid-liquid separation processes and the principles involved, including flotation, gravity sedimentation, cake filtration, and deep bed filtration. The following chapters focus on the characterization of particles suspended in liquids; the efficiency of separation of particles from fluids; coagulation and flocculation; gravity thickening; and the operating characteristics, optimum design criteria, and applications of hydrocyclones. The reader is also introduced to various solid-liquid separation processes such as centrifugal sedimentation, screening, and filtration, along with the use of filter aids. Countercurrent washing of solids and problems associated with fine particle recycling are also considered. The final chapter is devoted to the thermodynamics of particle-fluid interaction. This monograph will be useful to chemical engineers and process engineers, particularly those in plant operation, plant design, or equipment testing and commissioning. It can also be used as a textbook for both undergraduate and postgraduate students.

Industrial Gas Handbook-Frank G. Kerry 2007-02-22 Drawing on Frank G. Kerry's more than 60 years of experience as a practicing engineer, the Industrial Gas Handbook: Gas Separation and Purification provides from-the-trenches advice that helps practicing engineers master and advance in the field. It offers detailed discussions and up-to-date approaches to process cycles for cryogenic separation of air, adsorption processes for front-end air purification, and related process control and instrumentation. The book uses SI units in accordance with international industry and covers topics such as chronological development, industrial applications, air separation technologies, noble gases, front end purification systems, insulation, non-cryogenic separation, safety, cleaning for oxygen systems, economics, and product liquefaction, storage, and transportation. No other book currently available takes the practical approach of this book — they are either outdated, too theoretical, or narrow in focus. In a clear and effective presentation, Industrial Gas Handbook: Gas Separation and Purification covers the principles and applications of industrial gas separation and purification.

Government Reports Announcements- 1973

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