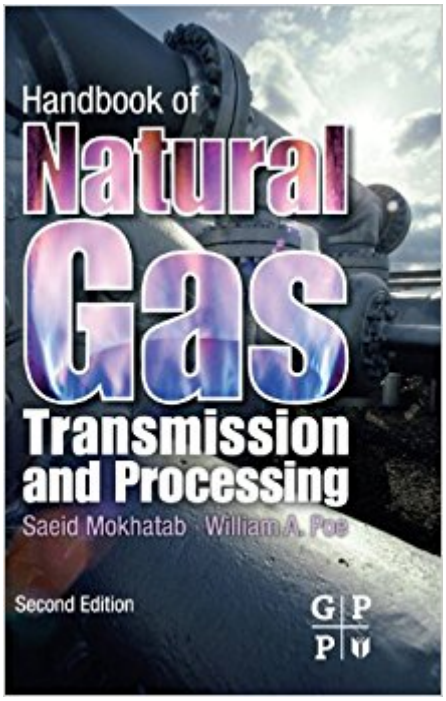
Handbook Of Natural Gas Transmission And Processing, Second Edition



Synopsis

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

Book Information

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Customer Reviews

Ã¢â ¬Å“This well-balanced handbook is the only book of its kind, covering all aspects of natural gas transmission and processing in more details. I believe it will serve as a valuable desk reference for practicing gas engineers and technologists, and as a text for graduate students in the gas engineering curriculum.” J.C. Kuo, Senior Advisor of Gas Team, Process Technology Unit, Chevron ETC, USA Ã¢â ¬Å“TodayÃ¢â ¬â„¢s natural gas industry is evolving and the projects are

technically challenging. This book is an excellent reference for all professionals, engineers and scientists working in the mid-stream and down-stream sectors of natural gas industry. It fills a considerable void.” John Y. Mak, Senior Fellow and Director of Process Engineering, Fluor, USA Ã¢â ¬Å“This high quality, comprehensive book gives an accurate picture of where the natural gas transmission and processing industry stands today, as well as indicating some relatively new technologies that could become important in the future. I recommend this book for any professional gas processing engineer and technologist.” Dave Messersmith, Manager of LNG Technology and Services Group, Bechtel, USA Ã¢â ¬Å“This is a valuable handbook to both the experienced engineer and the graduate just commencing in natural gas engineering. It provides practical advice for design and operation based on sound engineering principles and established techniques as well as introducing process solutions based on new and emerging technologies.” Adrian Finn, Technology Manager, Costain Energy amp; Process, UK Ã¢â ¬Å“This book addresses the advanced technologies, new issues and challenges related to natural gas transmission and processing, which have not been addressed in depth in any existing books. The format of the book makes it a particularly valuable reference work for all engineers in the natural gas business as well as a textbook for students in petroleum and chemical engineering curricula and in the training departments of a large group of companies.” Dr. Douglas G. Elliot, President and Chief Operating Officer, IPSI LLC, USA Ã¢â ¬Å“This is an excellent document that combines all facets of engineering within the natural gas business from source to supply. As well as supporting our engineering design industry, this work will offer a comprehensive education to our process engineers of the future.” Dr. John H. Hargreaves, Chief Process Engineer, Wood Group PSN, UK Ã¢â ¬Å“This book comes at a critical time when many nations are shifting to an increasingly higher percentage of natural gas use within their range of energy sources. Giving the reader a comprehensive insight into the natural gas transmission and processing industry, this book will prove invaluable in orienting the newcomer and extending the scope of understanding of the veteran.” Dr. Lorenzo Micucci, Manager of Technology and Ramp;D, Siirtec Nigi, Italy Ã¢â ¬Å“At the dawn of the Information Age, there has been a surge in so-called Handbooks, all claiming to have the ’right’ answer. Unfortunately, with the superflux of information, it is becoming increasing difficulty, if not impossible, to come up with the ’right’ answer to any problem. This handbook breaks out of the conventional mode, and prepares readers with fundamentals so that they can discover for themselves the answer that would best serve their purpose. This approach is unique and is very timely. This book has the potential of creating a standard for handbook for other engineering fields.” Dr. M.R. Islam, Professor of Petroleum Engineering, Dalhousie University,

Canada Ã¢â ¬Å“For natural gas professionals working with transmission and processing, this book provides an excellent reference that covers a wide range of topics. From a brief chapter on basic fundamentals to advance topics such as plant project management and environmental aspects of the business, this book provides a comprehensive look at post-production aspects of natural gas industry. I believe this book will be a great companion for active natural gas professionals.” Dr. Shahab D. Mohaghegh, Professor of Petroleum amp; Natural Gas Engineering, West Virginia University, USA Ã¢â ¬Å“Natural gas will not only continue to be a significant part of the energy resource for many years to come, but its use will also be increasing. This book documents the latest technology in all areas of natural gas engineering. It is a useful book for every engineer, scientist, and researcher who has ever faced the challenge of investigating natural gas gathering, processing, and transport. I recommend it highly, as a reference and textbook.” Dr. Brian F. Towler, Professor of Chemical and Petroleum Engineering, University of Wyoming, USA

Saeid Mokhatab is one of the most recognizable names in the natural gas community through his contributions to advancing the technologies in the natural gas processing industry. He has worked in a variety of senior technical and managerial positions with major petroleum companies and has been actively involved in several large-scale gas-field development projects, concentrating on design, precommissioning and startup of processing plants. He has presented numerous invited lectures on gas processing technologies, and has authored or co-authored over 200 technical publications including two well-known ElsevierÃ¢â ¬â„¢s handbooks, which are considered by many as major references to be taken into account for any gas processing/LNG project in development. He founded the worldÃ¢â ¬â„¢s first peer-reviewed journal devoted to the natural gas science and engineering (published by Elsevier, USA); has held editorial positions in many scientific journals/book publishing companies for the hydrocarbon processing industry; and served as a member of technical committees for a number of professional societies and famous gas-processing conferences worldwide. As a result of his outstanding work in the natural gas industry, he has received a number of international awards/medals including the Einstein Gold Medal of Honor and Kapitsa Gold Medal of Honor; and his biography has been listed in highly prestigious directories.William A. Ã¢â ¬Å“Bill” Poe is a Senior Principal Technical Consultant at the Invensys Division of Schneider Electric, USA. He has over 30 years of international business and industrial experience in design, operations and project management of gas processing plants with a special focus on automation, multivariable predictive control (MPC), advanced process control (APC), optimization design and implementation, and real-time performance monitoring. Bill started

his career at Shell Oil Company, USA, in 1981, working over a decade in natural gas processing plants operations and engineering as well as management of multimillion-dollar projects. In 1993, he joined Continental Controls to lead the process engineering department in support of executing contracts with the Gas Research Institute, USA, where he developed new multivariable control applications in the natural gas industry. After joining GE as part of the Continental Controls acquisition, he became vice president of this division of GE where his responsibilities included direction of product development, projects, technical sales support, and customer service for multivariable control and optimization applications in the natural gas industry. In 2001, Bill joined Invensys Process Systems, USA, where he has developed APC and Optimization Master Plans for international companies such as Saudi Aramco, ADNOC, Statoil, and PDVSA, as well as automation and advanced process control feasibility studies for over 100 natural gas processing plants worldwide. Bill is an Associate Editor of the Journal of Natural Gas Science & Engineering, has authored or co-authored more than 50 technical papers, and made numerous technical presentations at prestigious international conferences. He received the GE Innovators Award in 1999 and attained the Invensys Circle of Excellence in 2011.

I needed a handbook for quick reference on NG supply system and was glad to order this book. It was fairly expensive, hence I couldn’t say "I Loved It" / one star deducted.I found it to be a thorough and useful resource. It’s written from a cost standpoint and provides an experienced considerations. That’s really the most important aspect when one gets to the core of the energy business.

comfortable,nice . Received as described. for myself, OK, there is do not have any problem. Weight of the product fees good in my hand and it’s very nice looking. If your looking for value in a product this is it.

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