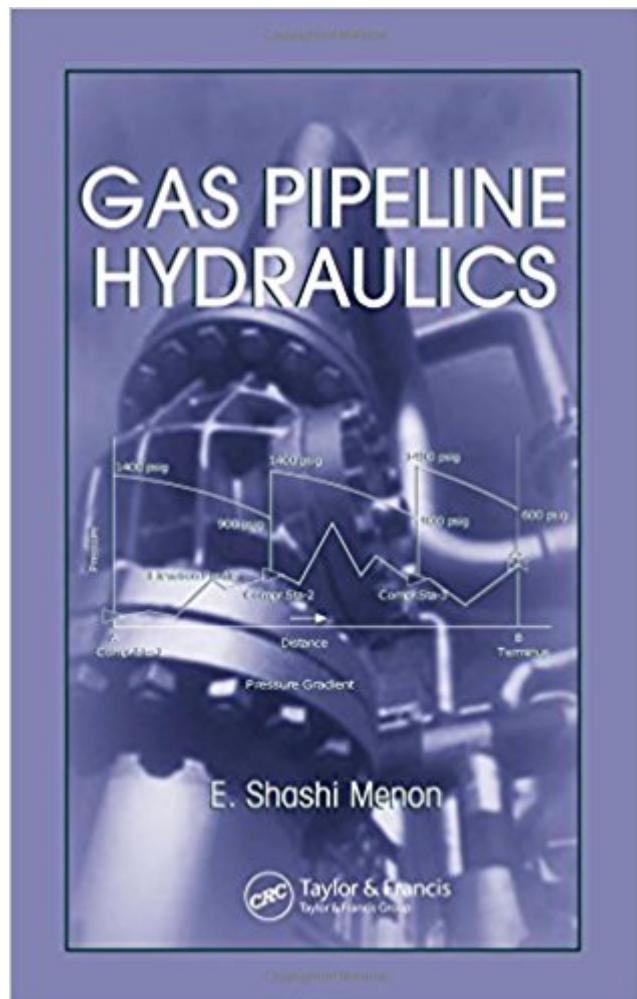


The book was found

# Gas Pipeline Hydraulics



## Synopsis

In your day-to-day planning, design, operation, and optimization of pipelines, wading through complex formulas and theories is not the way to get the job done. *Gas Pipeline Hydraulics* acts as a quick-reference guide to formulas, codes, and standards encountered in the gas industry. Based on the author's 30 years of experience in manufacturing and the oil and gas industry, the book presents a step-by-step introduction to the concepts in a practical approach illustrated by real-world examples, case studies, and a wealth of problems at the end of each chapter. Avoiding overly complex equations and theorems, *Gas Pipeline Hydraulics* demonstrates the calculation of pressure drop using various commonly accepted formulas. The author extends this discussion to determine total pressure required under various configurations, the necessity of pressure regulators and control valves, the comparative pros and cons of adding compressor stations versus pipe loops, mechanical strength of the pipeline, and thermal hydraulic analysis. He also introduces transient pressure analysis along with references for more in-depth study. The text concludes with the economic aspects of pipeline systems. Containing valuable appendices that provide conversions from USCS to SI units, tables of properties of natural gas, commonly used pipe sizes, and allowable internal and hydrotest pressures, this is the most easy-to-use, hands-on reference for gas pipelines available.

## Book Information

Hardcover: 416 pages

Publisher: CRC Press; 1 edition (May 24, 2005)

Language: English

ISBN-10: 0849327857

ISBN-13: 978-0849327858

Product Dimensions: 1.2 x 6.2 x 9.2 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,645,979 in Books (See Top 100 in Books) #51 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Alternative & Renewable > Hydroelectric #110 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Fossil Fuels > Natural Gas #1976 in Books > Science & Math > Physics > Mechanics

[Download to continue reading...](#)

Gas Pipeline Hydraulics Pipeline Rules of Thumb Handbook, Eighth Edition: A Manual of Quick, Accurate Solutions to Everyday Pipeline Engineering Problems The Hydraulics Manual: Includes Hydraulic Basics, Hydraulic Systems, Pumps, Hydraulic Actuators, Valves, Circuit Diagrams, Electrical Devices, Troubleshooting and Safety (Mechanics and Hydraulics) Freedom of Transit and Access to Gas Pipeline Networks under WTO Law (Cambridge International Trade and Economic Law) ISO 7396-1:2002, Medical gas pipeline systems - Part 1: Pipelines for compressed medical gases and vacuum Molecular Gas Dynamics and the Direct Simulation of Gas Flows (Oxford Engineering Science Series) International Fuel Gas Code 2006 (International Fuel Gas Code) Gas Chromatography and 2D-Gas Chromatography for Petroleum Industry: The Race for Selectivity Walking My Dog, Jane: From Valdez to Prudhoe Bay Along the Trans-Alaska Pipeline (Emerging Writers in Creative Nonfiction) Walking My Dog Jane: From Valdez to Prudhoe Bay Along the Trans-Alaska Pipeline Boom, Cash, and Balderdash: A Different Look at Fairbanks During Pipeline Construction Fanatical Prospecting: The Ultimate Guide for Starting Sales Conversations and Filling the Pipeline by Leveraging Social Selling, Telephone, E-Mail, and Cold Calling Fanatical Prospecting: The Ultimate Guide to Opening Sales Conversations and Filling the Pipeline by Leveraging Social Selling, Telephone, Email, Text, and Cold Calling The Sales Development Playbook: Build Repeatable Pipeline and Accelerate Growth with Inside Sales Predictable Prospecting: How to Radically Increase Your B2B Sales Pipeline (Business Books) Predictable Prospecting: How to Radically Increase Your B2B Sales Pipeline Combo Prospecting: The Powerful One-Two Punch That Fills Your Pipeline and Wins Sales The Leadership Pipeline: How to Build the Leadership Powered Company Trenchless Technology: Pipeline and Utility Design, Construction, and Renewal How to Create a Big, Fat Pipeline of New Clients for Your Law Firm in Just 10 Days

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)