



# Piping Calculations Manual (McGraw-Hill Calculations)

By Shashi Menon

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This on-the-job resource is packed with all the formulas, calculations, and practical tips necessary to smoothly move gas or liquids through pipes, assess the feasibility of improving existing pipeline performance, or design new systems.

**Contents:** Water Systems Piping \* Fire Protection Piping Systems \* Steam Systems Piping \* Building Services Piping \* Oil Systems Piping \* Gas Systems Piping \* Process Systems Piping \* Cryogenic Systems Piping \* Refrigeration Systems Piping \* Hazardous Piping Systems \* Slurry and Sludge Systems Piping \* Wastewater and Stormwater Piping \* Plumbing and Piping Systems \* Ash Handling Piping Systems \* Compressed Air Piping Systems \* Compressed Gases and Vacuum Piping Systems \* Fuel Gas Distribution Piping Systems

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### Editorial Review

From the Back Cover

#### **MAXIMIZE PIPELINE PERFORMANCE WITH THIS COMPREHENSIVE, JOB-CRITICAL RESOURCE**

*Piping Calculations Manual* is packed with the formulas, examples, calculations, and practical tips required to smoothly move gas or liquids through long-distance as well as short pipe segments, assess the feasibility of improving existing pipeline performance, and design new systems.

Written by an engineer with almost three decades' hands-on experience in the field, *Piping Calculations Manual* provides the detailed, hard-to-find calculations necessary to:

- Design systems from fire-protection to compressed-gas
- Analyze the capabilities of any system
- Estimate requirements for improving throughput
- Compare hydraulic to brake horsepower
- Calculate pressure drops
- Optimize performance
- And much more!

**OPTIMIZE PERFORMANCE IN ANY SYSTEM:** Water Systems Piping \* Fire Protection Piping Systems \* Wastewater and Stormwater Piping \* Steam Systems Piping \* Compressed Air Piping Systems \* Oil Systems Piping \* Gas Systems Piping \* Fuel Gas Distribution Piping Systems \* Cryogenic and Refrigeration Systems Piping \* Slurry and Sludge Systems Piping

About the Author

**E. Shashi Menon, P.E.**, has over 29 years' experience in the oil and gas industry, holding positions as design engineer, project engineer, engineering manager, and chief engineer for major oil and gas companies in the United States. He is the author of *Liquid Pipeline Hydraulics* and several technical papers. He has taught engineering and computer courses, and is also developer and co-author of over a dozen PC software programs for the oil and gas industry. Mr. Menon lives in Lake Havasu City, Arizona.

### Users Review

**From reader reviews:**

**Patricia Spear:**

This Piping Calculations Manual (McGraw-Hill Calculations) book is absolutely not ordinary book, you have it then the world is in your hands. The benefit you receive by reading this book is definitely information inside this publication incredible fresh, you will get info which is getting deeper a person read a lot of information you will get. That Piping Calculations Manual (McGraw-Hill Calculations) without we know teach the one who studying it become critical in contemplating and analyzing. Don't become worry Piping Calculations Manual (McGraw-Hill Calculations) can bring whenever you are and not make your case space or bookshelves' come to be full because you can have it in your lovely laptop even phone. This Piping Calculations Manual (McGraw-Hill Calculations) having fine arrangement in word and layout, so you will

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**Alejandro Jones:**

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