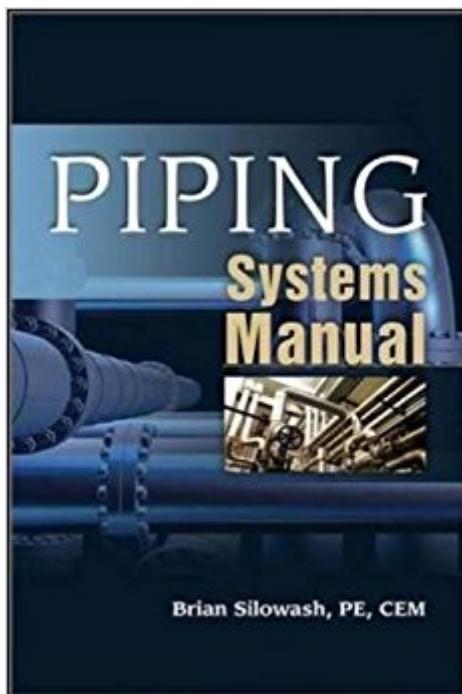


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# Piping Systems Manual



## Synopsis

In-depth Details on Piping Systems Filled with examples drawn from years of design and field experience, this practical guide offers comprehensive information on piping installation, repair, and rehabilitation. All of the latest codes, standards, and specifications are included. Piping Systems Manual is a hands-on design and engineering resource that explains the reasons behind the designs. You will get full coverage of materials, components, calculations, specifications, safety, and much more. Hundreds of detailed illustrations make it easy to understand the best practices presented in the book. Piping Systems Manual covers: ASME B31 piping codes, Specifications and standards, Materials of construction, Fittings, Valves and appurtenances, Pipe supports, Drafting practice, Pressure drop calculations, Piping project anatomy, Field work and start-up, What goes wrong, Special services, Infrastructure, Strategies for remote locations.

## Book Information

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## Customer Reviews

Brian Silowash, PE, CEM, LEED AP, is president of Innovative Design Engineering of America, LLC, a Pittsburgh-based engineering consulting firm specializing in facilities engineering, energy management, insurance consulting, and building inspections. He has worked as a maintenance foreman, a plant engineer, and an engineering consultant. Mr. Silowash has extensive experience in design, construction, and commissioning.

I am a piping designer with 35 years of plant layout and piping design and supervision experience. I

have found that there are many books on piping design covering the basic components and layout requirements thru to the highly technical on subjects such as fluid flow and stress analysis, all of which have their place and many of which I possess in my own personal library. This one bridges the gap. The author explains in an entertaining writing style the practicalities of piping design. Where basic piping layout books leave off Mr. Silowash picks up with explanations and insight into the real life challenges of piping design. The book also provides instruction in piping design topics such as piping general arrangements, pipe supporting, and technical explanations of the formulae used in the B31 codes that are easily followed by any technical school graduate. It provides the designer working on piping layouts insight into the more technical aspects of design and is an excellent starting point for the mechanical engineer who aspires to the world of piping engineering. All-in-all a very informative and a must-have book for anyone wishing to grow their knowledge of piping design.

Very good book to get a support about the hydraulic calculation

Well organized. Some units are incorrect though, so be careful with some of the examples.

Excellent reference book and an easy read for anyone interested in Piping Systems. Author covers a number of topics frequently encountered in the field.

Another great reference manual for estimating the fabrication of industrial pipe systems. A good desk top reference for the designer and estimator.

Written by an experienced design and field engineer. This book covers covers the basics of process piping well and in enough detail that the user will understand the "why's" of what's being done rather than feeling he/she is trusting a "cookbook". The chapters are well organized and concise. More important, the author overlays the basics with his field experience. This window into the real world is invaluable in understanding the ramifications of the decisions made in the design process. The comments on the overall project economics are also most valuable and can only be learned from experience.

I recommend this book to all who would like to learn about piping. it covers most of piping aspect and has lot of pictures inside

Brian has put together one of the most unique and comprehensive piping manuals to date. Drawing from his personal history of projects that taught him his trade. A must read for any young mechanical engineer.

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