



Pressure Vessel Design Manual, Fourth Edition

By Dennis R. Moss, Michael M. Basic

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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

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- Sales Rank: #734855 in Books
- Brand: Brand: Butterworth-Heinemann
- Published on: 2013-01-09
- Original language: English
- Number of items: 1
- Dimensions: 11.25" h x 8.75" w x 2.25" l, 5.15 pounds
- Binding: Hardcover
- 832 pages

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Editorial Review

From the Back Cover

Pressure Vessel Design Manual is a solutions-focused guide to the many problems and technical challenges facing designers of pressure vessels. Intended as both an essential learning tool for the developing engineer and a handy reference for the seasoned professional, it brings together otherwise scattered information into one easy-to-use resource to minimize research and take readers from problem to solution in the most direct manner possible.

Providing a wealth of design procedures, methods, techniques, formulae and tables for use in the design of pressure vessels, their respective parts and equipment, this book offers the all-important explanation and context that regulatory documentation and data-heavy references lack, delivered in a straightforward and digestible form.

Now updated to include current ASME, ASCE and API standard information, and dual unit coverage for ease of international use, ***Pressure Vessel Design Manual*** is aimed at satisfying the needs of engineers who specify, design, operate, install, inspect or manufacture pressure vessels and related equipment in a process, chemical, civil or petroleum engineering setting.

About the Author

Dennis Moss has more than 40 years' experience in the design, manufacture and inspection of pressure vessels. He is currently a Technical Director and Fellow for Fluor's Southern California office where he is the Section Supervisor of the Vessel Group.

Michael Basic has nearly a decade of experience in the design of pressure vessels, storage tanks, and other related equipment. He is a Registered Professional Engineer in the state of California and currently works for Fluor in southern California.

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