



# Pipe Drafting and Design

By Roy A. Parisher, Robert A. Rhea

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**Pipe Drafting and Design** By Roy A. Parisher, Robert A. Rhea

*Pipe Drafting and Design, Third Edition* provides step-by-step instructions to walk pipe designers, drafters, and students through the creation of piping arrangement and isometric drawings. It includes instructions for the proper drawing of symbols for fittings, flanges, valves, and mechanical equipment.

More than 350 illustrations and photographs provide examples and visual instructions. A unique feature is the systematic arrangement of drawings that begins with the layout of the structural foundations of a facility and continues through to the development of a 3-D model. Advanced chapters discuss the use of 3-D software tools from which elevation, section and isometric drawings, and bills of materials are extracted.

- Covers drafting and design of pipes from fundamentals to detailed advice on the development of piping drawings, using manual and CAD techniques
- 3-D model images provide an uncommon opportunity to visualize an entire piping facility
- Each chapter includes exercises and questions designed for review and practice

New to this edition:

- A large scale project that includes foundation location, equipment location, arrangement, and vendor drawings
- Updated discussion and use of modern CAD tools
- Additional exercises, drawings, and dimensioning charts to provide practice and assessment
- New set of Powerpoint images to help develop classroom lectures

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## Pipe Drafting and Design By Roy A. Parisher, Robert A. Rhea Bibliography

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### Editorial Review

#### Review

*"Parisher (engineering design graphics, San Jacinto College Central, Texas) and Rhea walk pipe designers, drafters, and students through the steps of creating flow diagrams, piping arrangement, and isometric drawings. They explain the proper drawing of symbols for fittings, flanges, valves, and mechanical equipment found on various types of piping drawings. Unique to their textbook, they say, is the systematic creation and arrangement of drawings that begins with the development of a flow diagram then progresses to the layout of the structural and equipment foundations of a piping facility. They also describe developing a three-dimensional model and the use of three-dimensional software tools from which elevation, section, and isometric drawings and bills of material are extracted. First published in 1995 and revised here from the 2001 edition. Gulf Professional Publishing is an imprint of Elsevier."* --Reference and Research Book News, October 2012

#### About the Author

Instructor of engineering drafting, San Jacinto College, Pasadena, TX. Has several years of industrial experience in piping design with Fluor and Litwin.

Former associate professor of engineering technology, and currently Coordinator of the Process and Piping Design program, downtown campus of the University of Houston.

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