

The book was found

# Bioprocessing Piping And Equipment Design: A Companion Guide For The ASME BPE Standard (Wiley-ASME Press Series)



## Bioprocessing Piping and Equipment Design

A Companion Guide for the ASME BPE Standard

William M. (Bill) Huitt

ASME  
PRESS

WILEY



## Synopsis

The only comprehensive and authoritative reference guide to the ASME Bioprocessing Piping and Equipment (BPE) standard. This is a companion guide to the ASME Bioprocessing Piping and Equipment (BPE) Standard and explains what lies behind many of the requirements and recommendations within that industry standard. Following an introductory narrative to the Standard's early history, industry related codes and standards are explained; the design and engineering aspects cover construction materials, both metallic and nonmetallic; then components, fabrication, assembly and installation of piping systems are explored. Examination, Inspection and Testing then precede the ASME BPE certification process, concluding with a discussion on system design. The author draws on many years' experience and insights from first-hand involvement in the field of industrial piping design, engineering, construction, and management, which includes the bioprocessing industry. The reader will learn why dimensions and tolerances, process instrumentation, and material selection play such an integral part in the manufacture of components and instrumentation. This easy to understand and navigate guide will assist engineers (design, piping, chemical, etc.) who need to understand the basis for much of the Standard's content, as do the contractors and inspectors who have to meet and validate compliance with the BPE Standard.

## Book Information

Series: Wiley-ASME Press Series

Hardcover: 544 pages

Publisher: Wiley-ASME Press Series; 1 edition (October 24, 2016)

Language: English

ISBN-10: 1119284236

ISBN-13: 978-1119284239

Product Dimensions: 6.2 x 1.3 x 9.4 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #1,751,362 in Books (See Top 100 in Books) #89 in Books > Engineering & Transportation > Engineering > Chemical > Plant Design #562 in Books > Engineering & Transportation > Engineering > Mechanical > Drafting & Mechanical Drawing #1280 in Books > Engineering & Transportation > Engineering > Bioengineering > Biotechnology

## Customer Reviews

The only comprehensive and authoritative reference guide to the ASME Bioprocessing Piping and Equipment (BPE) standard. This is a companion guide to the ASME Bioprocessing Piping and Equipment (BPE) Standard and explains what lies behind many of the requirements and recommendations within that industry standard. Following an introductory narrative to the Standard's early history, industry related codes and standards are explained; the design and engineering aspects cover construction materials, both metallic and nonmetallic; then components, fabrication, assembly and installation of piping systems are explored. Examination, Inspection and Testing then precede the ASME BPE certification process, concluding with a discussion on system design. The author draws on many years' experience and insights from first-hand involvement in the field of industrial piping design, engineering, construction, and management, which includes the bioprocessing industry. The reader will learn why dimensions and tolerances, process instrumentation, and material selection play such an integral part in the manufacture of components and instrumentation. This easy to understand and navigate guide will assist engineers (design, piping, chemical, etc.) who need to understand the basis for much of the Standard's content, as do the contractors and inspectors who have to meet and validate compliance with the BPE Standard. Cover image courtesy of Cotter Brothers Corp., Danvers, MA, USA

William M. (Bill) Huitt has been involved in industrial piping design, engineering and construction since 1965. Positions have included design engineer, piping design instructor, project engineer, project supervisor, piping department supervisor, engineering manager and president of W. M. Huitt Co., a piping consulting firm founded in 1987. His experience covers both the engineering and construction fields and crosses industry lines to include petroleum refining, chemical, petrochemical, pharmaceutical, pulp & paper, nuclear power, biofuel, and coal gasification. He has written numerous specifications, guidelines, papers, and magazine articles on the topic of piping design and engineering. Bill is a past member of ISPE (International Society of Pharmaceutical Engineers), CSI (Construction Specifications Institute) and current member of ASME (American Society of Mechanical Engineers).

This is an excellent resource for understanding the valuable work by the ASME BPE committee in coming up with this standard. The companion guide's author provides a thorough map for understanding the ASME BPE standard and will ultimately help anyone involved in the design, fabrication, purchase, maintenance, inspection, and ownership of bioprocessing systems. Even if your system is not under the FDA regulations this guide highlights the design for cleanability

standards from the perspective of a key ASME committee member with many years of experience.

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

Bioprocessing Piping and Equipment Design: A Companion Guide for the ASME BPE Standard (Wiley-ASME Press Series) ASME B20.1-2015 Standard: Safety Standard for Conveyors and Related Equipment ASME A13.1-2015: Scheme for the Identification of Piping Systems ASME BTH-1-2017 Standard: Design of Below-the-Hook Lifting Devices A Lifecycle Approach to Knowledge Excellence in the Biopharmaceutical Industry (Biotechnology and Bioprocessing) Process Validation in Manufacturing of Biopharmaceuticals, Third Edition (Biotechnology and Bioprocessing) ASME CSD-1-2015 Standard: Controls and Safety Devices for Automatically Fired Boilers ASME B30.3-2016 Standard: Tower Cranes Process Plant Layout and Piping Design Design of Piping Systems Jane's Airport & Atc Equipment 1993-94 (Jane's Airport Equipment and Services) Jane's Airports Equipment & Services 2004-2005 (Jane's Airport Equipment and Services) Jane's Airports Equipment & Services 2005-06 (Jane's Airport Equipment and Services) Understanding Anesthesia Equipment (Dorsch, Understanding Anesthesia Equipment) 2016 ICD-10-CM Standard Edition, 2016 HCPCS Standard Edition and AMA 2016 CPT Standard Edition Package, 1e 100 Buttercream Flowers: The Complete Step-by-Step Guide to Piping Flowers in Buttercream Icing Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills) Estimator's Piping Man-Hour Manual, Fifth Edition (Estimator's Man-Hour Library) Piping Systems Manual Process Piping Systems (Chemical Engineering)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)