



The John Zink Hamworthy Combustion Handbook, Second Edition: Volume 3 – Applications (Industrial Combustion)

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Despite the length of time it has been around, its importance, and vast amounts of research, combustion is still far from being completely understood. Issues regarding the environment, cost, and fuel consumption add further complexity, particularly in the process and power generation industries. Dedicated to advancing the art and science of industrial combustion, **The John Zink Hamworthy Combustion Handbook, Second Edition: Volume 3 – Applications** offers comprehensive, up-to-date coverage of equipment used in the process and power generation industries.

Under the leadership of Charles E. Baukal, Jr., top engineers and technologists from John Zink Hamworthy Combustion examine industry applications such as process burners, boiler burners, process flares, thermal oxidizers, and vapor control. This volume builds on the concepts covered in the first two volumes and shows how they are used in combustion applications. The book also features a wealth of color illustrations, photographs, and tables throughout.

What's New in This Edition

- Expanded to three volumes, with **Volume 3** focusing on important industry applications
- Extensive updates and revisions throughout, reflecting new standards, energy sources, processes, and conservation concerns
- Expanded coverage of flares and new coverage of biogas flares and flare gas recovery
- Information on vapor combustors
- Discussion of pollution control equipment
- Expanded coverage of commercial and utility boiler burners
- Chapters on process and air heaters
- More material on thermal oxidizers
- A new chapter on marine and offshore applications

The third of three volumes in the new, expanded edition of the bestselling handbook, this volume helps you broaden your knowledge of industrial combustion applications to better meet the challenges of this field.

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Editorial Review

About the Author

Charles E. Baukal, Jr., Ph.D., PE, is the director of the John Zink Institute for the John Zink Company, LLC (Tulsa, Oklahoma), where he has been since 1998. He has more than 30 years of experience in the fields of industrial combustion, pollution control, and heat transfer and has authored more than 150 publications in those areas. Dr. Baukal serves as an adjunct instructor for Oral Roberts University, the University of Oklahoma, the University of Tulsa, and the University of Utah. He is the author or editor of thirteen books in the field of industrial combustion.

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