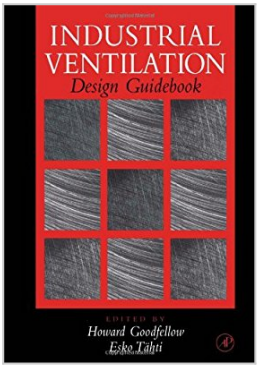

Industrial Ventilation Design Guidebook

By Howard D. Goodfellow

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The **Industrial Ventilation Design Guidebook** addresses the design of air technology systems for the control of contaminants in industrial workplaces such as factories and manufacturing plants. It covers the basic theories and science behind the technical solutions for industrial air technology and includes publication of new fundamental research and design equations contributed by more than 40 engineers and scientists from over 18 countries.

Readers are presented with scientific research and data for improving the indoor air quality in the workplace and reducing emissions to the outside environment.

The **Guidebook** represents, for the first time, a single source of all current scientific information available on the subject of industrial ventilation and the more general area of industrial air technology. New Russian data is included that fills several gaps in the scientific literature.

* Presents technology for energy optimization and environmental benefits
* A collaborated effort from more than 60 ventilation experts throughout 18 countries
* Based on more than 50 million dollars of research and development focused on industrial ventilation
* Includes significant scientific contributions from leading ventilation experts in Russia
* Presents new innovations including a rigorous design methodology and target levels
* Contains extensive sections on design with modeling techniques
* Content is well organized and easily adaptable to computer applications

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Industrial Ventilation Design Guidebook By Howard D. Goodfellow Bibliography

- Sales Rank: #2649955 in Books
- Published on: 2001-05-01
- Original language: English
- Number of items: 1
- Dimensions: 2.40" h x 7.30" w x 10.00" l, 6.15 pounds
- Binding: Hardcover
- 1519 pages

Editorial Review

Review
"The book is an excellent reference source and handbook of fundamentals related to industrial air technology. I would highly recommend it for anyone who designs or troubleshoots ventilation systems used for comfort or contaminant control or who evaluates the work environment and provides recommendations for control."
--Chemical Health & Safety, Jan/Feb 2002

From the Back Cover
The Industrial Ventilation Design Guidebook represents for the first time, a single source of all current scientific information available on the subject of industrial ventilation and the more general area of industrial air technology. Covering the basic theories and science behind the technical solutions for industrial air technology, it is the first international handbook and includes publication of new fundamental research and design equations.

The Guidebook addresses the design of air technology systems for the control of contaminants in industrial workplaces such as factories and manufacturing plants. It addresses the scientific approach to improving air quality inside the plant and to reducing emissions to the outside environment. With the extensive and up-to-date material provided, the aim is to be able to design environmentally and energy efficient industrial operations.

Key Features
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About the Author
Howard D. Goodfellow is VP of Stantec Global Technologies Ltd. Stantec is a Canadian professional services firm providing knowledge-based solutions for infrastructure and facilities. Stantec sells and markets Goodfellow EFSOPZ (Expert Furnace System Optimization Process), an award-winning software and hardware technology system. Goodfellow EFSOPZ uses online off-gas chemistry measurements from industrial combustion processes for closed-loop control for process optimization. Goodfellow is a recognized expert in the ventilation, air pollution control, and air quality areas.

He graduated with a Ph.D. from the Department of Chemical Engineering and Applied Chemistry at the University of Toronto and has been responsible for specialized consulting and engineering design services for over 1000 industrial and government clients in the environmental field. He is an Adjunct Associate Professor in the Department of Chemical Engineering and Applied Chemistry at the University of Toronto, where he teaches a graduate course in ventilation and conducts research and development in the ventilation and indoor air quality field. Dr. Goodfellow was awarded the 2T5 Meritorious Service Medal of the Engineering Alumni Association of the University of Toronto. The award was for his outstanding contributions as an engineer, teacher, researcher, author, and administrator in the field of ventilation and

occupational health at the University of Toronto, with global recognition for achievements in the advancement of environmental consulting. Professor Goodfellow also teach! es a Mine Ventilation and Occupational Health course at the University of Toronto in the Lassonde MineralEngineering Programme. Dr. Goodfellow has presented numerous courses internationally in the clean air technology field, both for industrial clients and at conferences and seminars, and he has presented and/or published over 100 technical papers.

Dr. Goodfellow has worked with TEKES and the INVENT team in Finland since 1993. He spent three months (April-June 1997) lecturing at the Helsinki University of Technology, initiating research projects in the ventilation field, and working with Finnish experts in the planning stages of the Design Guidebook.

Users Review

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