

# Cleanroom Design

## Second Edition

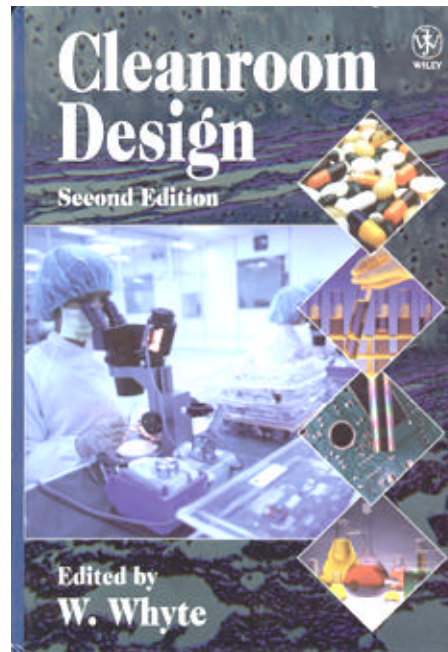
Edited by W Whyte

### Contents

- An Introduction to the Design of Clean and Containment Areas
- International Standards for the Design of Cleanrooms
- The Design of Cleanrooms for the Microelectronics Industry
- The Design of Cleanrooms for the Pharmaceutical Industry
- The Design of Cleanrooms for the Medical Device Industry
- Contamination Control Facilities for the Biotechnology Industry
- Cost-Efficiency and Energy-Saving Concepts for Cleanrooms
- High Efficiency Air Filtration
- Construction Materials and Surface Finishes for Cleanrooms
- Purification Techniques for Clean Water
- The Design of an Ultra-Pure Water System for Use in the Manufacture of Integrated Circuits
- The Production and Transmission of High Purity Gases for the Semiconductor Industry
- Materials for Services Pipework

### Contributors

- Ake L Moller,  
Cogito Consult AB, Sweden
- J.G. King,  
King Consulting Inc., Texas.,USA
- Gordon J. Farquharson,  
Tanshore Group of Companies, UK
- H.H. Schicht,  
Dr Hans Schicht Ltd, Switzerland
- Paul J. Tubito,  
Life Sciences International, USA
- T.J. Latham,  
Jacobs Engineering, UK
- Stephen D. Klocke,  
Flanders Filters, USA
- E.C. Sirch,  
Bayer AG, Germany
- T. Hodgkiess,  
University of Glasgow, UK
- R. Galbraith,  
Motorola Limited, Glasgow, UK
- W. Whyte,  
University of Glasgow, UK



### REVIEWS OF FIRST EDITION

"This remarkable and truly informative design guide will undoubtedly be widely read and utilised"  
CURRENT ENGINEERING PRACTICE

"Anybody new to cleanroom design will profit immensely from this book ...an informed guide to cleanroom design ...easy to understand, comprehensive and appealing in its clarity"

MEDICAL DEVICE TECHNOLOGY

This updated version of the highly successful book 'Cleanroom Design' gives definitive coverage of the latest cleanroom design methods. Written by an international team of authors working in a variety of industries, including electronics, biotechnology, medical devices and pharmaceuticals, the contributions discuss the considerations to be taken into account when designing cleanrooms. Features of the second edition include:

Practical advice on the economics of cleanroom design, high efficiency air filtration, construction materials and the production of clean gases and water. Specific design requirements of how cleanrooms are designed for the principal manufacturing areas of microelectronics, pharmaceuticals and biotechnology. Information on international design standards which are presently not available from a single source. A new chapter devoted to the design of cleanrooms for manufacturing medical devices.

This book is essential reading for a wide audience; including:

- Building Service Engineers
- Production Engineers
- Pharmacists
- Microbiologists
- Quality Control Personnel
- Contamination Control Experts
- Designers and Users of Cleanrooms

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