Pharmaceutical Air Filtration Equipment And Filters

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Antibody-Drug Conjugates New Age International
This book has been written by an international body of authors working in a variety of industries including electronics, biotechnology and pharmaceuticals, who discuss the considerations to be taken into account when designing cleanrooms. Three chapters describe how cleanrooms are designed for the principal manufacturing areas of microelectronics, pharmaceutical manufacturing and biotechnology. Other subjects covered are international design standards, the economics of cleanroom design, high efficiency air filtration, materials used in cleanroom construction, and the provision of clean gases and water. A unique feature of this new edition includes the application of cleanroom design technology to a mini environment such as a bench-top.
Handbook of Validation in Pharmaceutical Processes, Fourth Edition CRC Press
With global harmonization of regulatory requirements and quality standards and national and global business consolidations ongoing at a fast pace, pharmaceutical manufacturers, suppliers, contractors, and distributors are impacted by continual change. Offering a wide assortment of policy and guidance document references and interpretations, this Sixth Edition is significantly expanded to reflect the increase of information and changing practices in CGMP regulation and pharmaceutical manufacturing and control practices worldwide. An essential companion for every pharmaceutical professional, this guide is updated and expanded by a team of industry experts, each member with extensive experience in industry or academic settings.
Pharmaceutical Manufacturing Handbook Pragati Books Pvt. Ltd.
Contamination control in pharmaceutical clean rooms has developed from a jumble of science and engineering, knowledge of what has worked well or badly in the past, dependent upon the technology available at the time the clean room was built and subsequent technological developments. Surrounding it all is a blanket of regulations. Taking a multidisc
Air Filtration Fundamentals Abhishek chouhan
This book focuses on sterilizing grade filters in the biopharmaceutical industry, emphasizing practical applications of universal and dependable operational protocols, integrity testing, and troubleshooting to streamline the production and preparation of pharmaceuticals. Addresses the complexities of globalizing redundancy in filtration!
Filters and Filtration Handbook CRC Press
Air filtration systems are important in clean air manufacturing operations such as: microchip manufacturing and pharmaceutical and chemical facilities - where air and bacterial contaminants are a constant concern. This book focuses on two filtering devices: High Efficiency Particulate Air (HEPA) filters and carbon adsorbers and how they work.
Cleanroom Design Elsevier Science Limited
A textbook which is both comprehensive and comprehensible and that offers easy but scientifically sound reading to both students and professionals Now in its 12th edition in its native German, Voigt's Pharmaceutical Technology is an interdisciplinary textbook covering the fundamental principles of pharmaceutical technology. Available for the first time in English, this edition is produced in full colour throughout, with a concise, clear structure developed after consultation with students, instructors and researchers. This book: Features clear chapter layouts and easily digestible content Presents novel trends, devices and processes Discusses classical and modern manufacturing processes Covers all formulation principles including tablets, ointments, capsules, nanosystems and biopharmaceutics Takes account of legal requirements for both qualitative and quantitative composition Addresses quality assurance considerations Uniquely relates contrasting international pharmacopeia from EU, US and Japan to formulation principles Includes examples and text boxes for quicker data assimilation Written for both students studying pharmacy and industry professionals in the field as well as toxicologists, biochemists, medical lab technicians, Voigt's Pharmaceutical Technology is the essential resource for understanding the various aspects of pharmaceutical technology.
How to Validate a Pharmaceutical Process CRC Press
This revised publication serves as a handy and current reference for professionals engaged in planning, designing, building, validating and maintaining modern cGMP pharmaceutical manufacturing facilities in the U.S. and internationally. The new edition expands on facility planning, with a focus on the ever-growing need to modify existing legacy facilities, and on current trends in pharmaceutical manufacturing which include strategies for sustainability and LEED building ratings. All chapters have been re-examined with a fresh outlook on current good design practices.
Sterile Pharmaceutical Products Springer Science & Business Media
This handbook features contributions from a team of expert authors representing the many disciplines within science, engineering, and technology that are involved in pharmaceutical manufacturing. They provide the information and tools you need to design, implement, operate, and troubleshoot a pharmaceutical manufacturing system. The editor, with more than thirty years' experience working with pharmaceutical and biotechnology companies, carefully reviewed all the chapters to ensure that each one is thorough, accurate, and clear.
Handbook of Pharmaceutical Manufacturing Formulations John Wiley & Sons
This book covers all aspects of containment technology in depth and the latest developments in this exciting field are introduced. This book is a key publication to planning engineers, production managers and those interested in getting a picture of the different applications of the isolator technology. References on literature, laws, norms and guidelines will support the reader to become acquainted with the containment technology.
Learning from SARS John Wiley & Sons
Quality assurance of pharmaceutical products is a continuing concern of WHO. Despite efforts made around the world to ensure a supply of quality and effective medicines, substandard, spurious and counterfeit products still compromise health care delivery in many countries. To respond to the global need for adequate quality assurance of pharmaceuticals, WHO's Expert Committee on Specifications for Pharmaceutical Preparations has over the years made numerous recommendations to establish standards and guidelines and to promote the effective functioning of national regulatory and control systems and the implementation of internationally agreed standards by trained personnel. Many of the relevant documents endorsed by the Committee are reproduced in this volume providing guidance covering all aspects of good manufacturing practices (GMP). Important texts on inspection are also included. Most of the material has been published separately in the Expert Committee's reports. This compendium brings it together to make it more accessible and of greater practical value to those working in faculties of pharmacy, in medicines regulation and control and in the pharmaceutical industry. This is the second updated edition of the compendium and includes texts published in 2005 and 2006 in the WHO Technical Report Series.
Proceedings of the Eighteenth International Symposium on Blood Transfusion, Groningen 1993, organized by the Red Cross Blood Bank Groningen-Drenthe Scientific Publishers
he present state-of-art book has been written as per the new syllabus of B. Pharmacy, introduced by Pharmacy Council of India (PCI). This book has an inclusive content that covers the wider aspects of pharmaceutical quality assurance required by under-graduates, post graduates, industry personnels, researcher, and students preparing for various competitive exams. The distinguishing feature of this book is that the book is written in lucid, simple and easy to understand language. The book is accompanied with Multiple Choice, Fill in the Blank, True-False, Short Answer and Long Answer type of questions for the self-

evluation of learning. The answers of the Multiple Choice, Fill in the Blank and True-False questions have also been given. Web links/further reading are included to help the readers for keeping themselves abreast with th latest developments in the h□□eld of pharmaceutical quality assurance. Academicians and instructors in universities/colleges may use the book as primary or additional teaching material for under-graduate and post-graduate pharmacy courses.

Preparing for the Next Disease Outbreak: Workshop Summary CRC Press

Fundamentals of Air Cleaning Technology and Its Application in Cleanrooms sets up the theoretical framework for cleanrooms. New ideas and methods are presented, which include the characteristic index of cleanrooms, uniform and non-uniform distribution characteristics, the minimum sampling volume, a new concept of outdoor air conditioning and the fundamentals of leakage-preventing layers. Written by an author who can look back on major scientific achievements and 50 years of experience in this field, this book offers a concise and accessible introduction to the fundamentals of air cleaning technology and its application. The work is intended for researchers, college teachers, graduates, designers, technicians and corporate R&D personnel in the field of HVAC and air cleaning technology. Zhonglin Xu is a senior research fellow at China Academy of Building Research.

Microbiological Contamination Control in Pharmaceutical Clean Rooms UniversityOfHealthCare

The emergence of severe acute respiratory syndrome (SARS) in late 2002 and 2003 challenged the global public health community to confront a novel epidemic that spread rapidly from its origins in southern China until it had reached more than 25 other countries within a matter of months. In addition to the number of patients infected with the SARS virus, the disease had profound economic and political repercussions in many of the affected regions. Recent reports of isolated new SARS cases and a fear that the disease could reemerge and spread have put public health officials on high alert for any indications of possible new outbreaks. This report examines the response to SARS by public health systems in individual countries, the biology of the SARS coronavirus and related coronaviruses in animals, the economic and political fallout of the SARS epidemic, quarantine law and other public health measures that apply to combating infectious diseases, and the role of international organizations and scientific cooperation in halting the spread of SARS. The report provides an illuminating survey of findings from the epidemic, along with an assessment of what might be needed in order to contain any future outbreaks of SARS or other emerging infections.

Pharmaceutical Computer Systems Validation National Academies Press

"Offers a comprehensive, unified presentation of statistical designs and methods of analysis for all stages of pharmaceutical development--emphasizing biopharmaceutical applications and demonstrating statistical techniques with real-world examples."

The Certified Pharmaceutical GMP Professional Handbook, Second Edition CRC Press

Thoroughly revised to include the latest industry developments, the Second Edition presents a comprehensive overview of computer validation and verification principles and how to put them into practice. To provide the current best practice and guidance on identifying and implementing improvements for computer systems, the text extensively reviews r

Good Design Practices for GMP Pharmaceutical Facilities Wiley-Blackwell

Filters are used in most industries, especially the water, sewage, oil, gas, food and beverage, and pharmaceutical industries. The new edition of this established title is an all-encompassing practical account of standard filtration equipment and its applications. Completely revised and rewritten, it is an essential book for the engineer working in a plant situation-who requires guidance and information on what’s available and whether it’s suitable for the job. Co-published with the Institution of Chemical Engineers. Co-published with the Institution of Chemical Engineers. The leading practical engineering guide to filtration techniques, systems and their applications Meets the needs of all key sectors where filtration is a critical process, including chemical processing and manufacture, food, oil and gas, air-conditioning and water A comprehensive sourcebook and reference for plant engineers, process engineers, plant designers, filter media and filtration specialists and equipment specifiers

Filters and Filtration Handbook Elsevier

This is a reference manual for the selection and application of filtration and separation products. The new edition is extended and updated to incorporate all the latest developments in filtration and separation technology supplied by both manufacturers and users. operators, consultants, as well as staff with responsibility for purchasing, planning, sales and marketing. It is directly relevant to numerous industries including water, fluid power, chemicals, pharmaceutical, food and beverages, processing, general engineering, electronics and manufacturing.

Quality Assurance, Risk Management and Regulatory Compliance CRC Press

Revised to reflect significant advances in pharmaceutical production and regulatory expectations, Handbook of Validation in Pharmaceutical Processes, Fourth Edition examines and blueprints every step of the validation process needed to remain compliant and competitive. This book blends the use of theoretical knowledge with recent technological advancements to achieve applied practical solutions. As the industry's leading source for validation of sterile pharmaceutical processes for more than 10 years, this greatly expanded work is a comprehensive analysis of all the fundamental elements of pharmaceutical and bio-pharmaceutical production processes. Handbook of Validation in Pharmaceutical Processes, Fourth Edition is essential for all global health care manufacturers and pharmaceutical industry professionals. Key Features: Provides an in-depth discussion of recent advances in sterilization Identifies obstacles that may be encountered at any stage of the validation program, and suggests the newest and most advanced solutions Explores distinctive and specific process steps, and identifies critical process control points to reach acceptable results New chapters include disposable systems, combination products, nano-technology, rapid microbial methods, contamination control in non-sterile products, liquid chemical sterilization, and medical device manufacture

Development, Manufacturing, and Regulation, Second Edition CRC Press

To successfully bring an Active Pharmaceutical Ingredient (API) to market, many steps must be followed to ensure compliance with governmental regulations. Active Pharmaceutical Ingredients is an unparalleled guide to the development, manufacturing, and regulation of the preparation and use of APIs globally. Topics include:Safety, efficacy, and envi

A Practical Guide CRC Press

The purpose of this handbook is to assist individuals for the Certified Pharmaceutical Good Manufacturing Practices Professional (CPGP) examination and provide a reference for the practitioner. The second edition reflects the Body of Knowledge which was updated in 2015. This edition has also incorporated additional information including updated references. The updates reflect the current trends and expectations of the evolving pharmaceutical industry driven by consumer expectations and regulatory oversight. This handbook covers compliance with good manufacturing practices (GMPs), as regulated and guided by national and international agencies for the pharmaceutical industry. It covers finished human and veterinary drugs and biologics, and combination devices, as well as their component raw materials (including active pharmaceutical ingredients (APIs) and excipients), and packaging and labeling operations.