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Integrating Facilities With the Electric Grid Amer Society of Heating  
Annotation The 2010 ASHRAE Handbook-Refrigeration covers the refrigeration equipment and systems for applications other than human comfort. This book includes information on cooling, freezing, and storing food; industrial applications of refrigeration; and low-temperature refrigeration. Primarily a reference for the practicing engineer, this volume is also useful for anyone involved in cooling and storage of food products. This edition contains two new chapters, Chapter 3, "Carbon Dioxide Refrigeration Systems" and Chapter 50, "Terminology of Refrigeration."  
Fundamentals of Building Operation, Maintenance and Management Amer Society of Heating  
Contributing to the Fundamentals of HVAC&R Series of textbooks for self-directed or groups learning courses, engineers Lewis and Brooks describe the processes for operating and maintaining a building's heating, ventilating, and air-conditioning systems and equipment, but also plumbing, electrical, life safety, and other systems. Among their topics are types of maintenance techniques and their application, contractor start-up and hand-over procedures, greening the facility, transitioning from reactive to proactive maintenance, maintenance technician training, and the benefits and cost of implementing computerized maintenance management systems. Skill development exercises are provided. Spiral bound.  
Ashrae Handbook 2019 Amer Conf of Governmental  
"Provides in-depth design recommendations and proven, cost effective, and reliable solutions for health care HVAC design that provide low maintenance cost and high reliability based on best practices from consulting and hospital engineers with decades of experience in the design, construction, and operation of health care facilities"--  
HVAC Systems and Equipment: SI Edition American Society of Heating Refrigerating and Air-Conditioning Engineers  
"Updates the second edition to provide readers a reference that agrees with the latest international standards. The third edition also includes a revised equation for the adiabatic saturation process, an summary of the 2009 RP-1485 ASHRAE research, as well as minor edits to the text"  
HVAC Design Manual for Hospitals and Clinics Amer Society of Heating  
This book provides engineers in the food refrigeration industry with a comprehensive design guide that addresses the various issues surrounding the design of refrigerated storage facilities. The design guide covers those areas where ASHRAE is uniquely qualified, and includes a thorough treatment of the current, established trends in refrigerated facility design.Chapter topics include storage facility specifications, structure design, and management. This guide is the result of ASHRAE Research Project 1214.  
Ashrae  
"Discusses cleanroom classification; standards; airflow patterns; pressure differentials; control of airborne and surface particulate, airborne molecular, liquid-borne, and microbial contaminants; testing and certification, qualification, and commissioning; electrical, control, and lighting systems; and utility services and provides specifics for cleanrooms in semiconductor, pharmaceutical, biotechnology and health care, and food processing facilities"--  
Dampers and Airflow Control Amer Society of Heating  
This is an out of print item which has been scanned and made available electronically. The research in this project was derived from RP-556. The purpose of the research was to develop a set of algorithms and related computer programs in the area of HVAC acoustics that are useful and reliable. All algorithms were to be based on currently verifiable published and

unpublished test results. The objectives of this project were to: (1) develop algorithms in English, along with discussions related to the development of the algorithms, references, and other appropriated data; (2) develop computer programs associated with each algorithm programmed in Basic; and (3) produce a final report in a form that could be readily published by ASHRAE. This book, published in 1991, was the final result of that research. However, it is now out of print as the sponsoring technical committee considered it to be out of date. ASHRAE has made this scanned copy available believing that it does contain sound algorithms to be used to predict acoustical performance of fans, ductwork, walls, ceilings, etc. Algorithms written in Basic with support documentation included. Added as a scanned document on October 15, 2000.  
Recommended Practices for Inspection and Maintenance of Motor Fuel Dispensing Equipment Amer Society of Heating  
This design guide provides designers and building owners with the basic information needed to design, install and operate successful cold-air distribution systems. It provides comprehensive coverage of cold-air distribution considerations, and can function as an entry point into the literature for those seeking more detailed information on specific aspects of cold-air distribution design. ASHRAE Research Project 849.  
Cold Air Distribution Amer Society of Heating  
Specifiers, producers, testing labs, inspection consultants, teachers, designers, and quality technicians should all have a copy of this QC manual. These standards and the accompanying commentary will serve as a strong foundation for a plant's quality system for the manufacture of structural precast concrete products and for the manufacture of structural precast concrete products with architectural finishes  
Performance Measurement Protocols for Commercial Buildings Amer Society of Heating  
"Simplifies the absorption and use of the PUE metric and allows executives to gain understanding of the concepts surrounding PUE, while providing application knowledge and resources to those implementing and reporting data center metrics"--  
Theory and Practice Ashrae  
Highway engineers, as designers, strive to meet the needs of highway users while maintaining the integrity of the environment. Unique combinations of design controls and constraints that are often conflicting call for unique design solutions. A Policy on Geometric Design of Highways and Streets provides guidance based on established practices that are supplemented by recent research. This document is also intended as a comprehensive reference manual to assist in administrative, planning, and educational efforts pertaining to design formulation  
Planning and Operation of Laboratory HVAC Systems Amer Society of Heating  
"Provides information that is essential to the prevention and control of particulate and gaseous contamination within datacom facilities and gives a common set of guidelines for contamination prevention and control that can enhance datacom equipment reliability"--  
ASHRAE Design Guide for Cleanrooms Algorithms for HVAC Acoustics  
"This self directed learning course provides an introduction to refrigeration and its thermodynamic aspects, components, refrigerants, and practical systems. The course includes skill development exercises and practical applications, including example problems and case studies"--Provided by publisher  
Ashrae Handbook 2020 Ashrae  
"Reference manual for planning, design, and operation of laboratory HVAC systems to reduce the laboratory's energy footprint while ensuring safety, providing good comfort and indoor air quality, and protecting the integrity of experiments; includes online access to electronic design tools that illustrate features of laboratories and provide practical design aids"--  
Fundamentals, Systems, and Performance Routledge  
Good airflow control results when solid mechanical design is combined with excellent control strategy. Modern building requirements for the coordination of air ventilation, pressurization,temperature control, fire and smoke control, and energy reduction require integration at every level of design and operation.Dampers and Airflow Control is the first book of its kind. It bridges the gap between mechanical design and final damper control. This book covers not only theoretical aspects of application design but also practical aspects of existing applications, and the material applies to both new and retrofit projects.Among the topics discussed are new ASHRAE damper testing data, realistic but simplified pressure drop calculations, damper installations, and methods for economizers and minimum outdoor-air control. Tactics to linearize system airflow using

damper response curves are also discussed, and new methods"not found in existing literature"are presented to characterize damper response to fit a process. Additional topics include torque, linkages, structural support, actuation, and engineered damper assemblies. Dampers and Airflow Control is written for building systems designers and contractors and provides sound examples and best practices to achieve good airflow control.  
Handbook of Smoke Control Engineering Amer Society of Heating  
"A guide that presents rules for controlling the noise and vibration of HVAC Systems"--Provided by publisher.  
Psychrometrics American Conference of Governmental Industrial Hygenists  
"Provides three levels of standardized protocols for assessing building performance that identify what, how, and how often to measure in six performance categories: energy, water, thermal comfort, indoor air quality, lighting, and acoustics. Such protocols give feedback when performance does not match design intent and lend credibility to performance claims"--Provided by publisher.  
Limiting Emissions of Refrigerants American Society of Heating Refrigerating and Air-Conditioning Engineers  
An eclectic mix of subjects dealing with the biology of industrial hygiene. Contirbutions from authors from various fields are combined to bridge the gap between classroom and field experience. Includes illustrations, references, and study questions.  
Particulate and Gaseous Contamination in Datacom Environments American Society of Heating Refrigerating and Air-Conditioning Engineers  
"A comprehensive manual that shows how to design, specify, and install seismic restraints for all mechanical and plumbing systems in buildings to meet the latest code requirements. Includes illustrated, detailed examples and calculations on design of restraints for suspended and floor-mounted equipment, ducts, piping, and cooling towers"--Provided by publisher.  
Thermal Guidelines for Data Processing Environments Ashrae  
Guide C: Reference Data contains the basic physical data and calculations which form the crucial part of building services engineer background reference material. Expanded and updated throughout, the book contains sections on the properties of humid air, water and steam, on heat transfer, the flow of fluids in pipes and ducts, and fuels and combustion, ending with a comprehensive section on units, mathematical and miscellaneous data. There are extensive and easy-to-follow tables and graphs.   - Essential reference tool for all professional building services engineers   - Easy to follow tables and graphs make the data accessible for all professionals   - Provides you with all the necessary data to make informed decisions