



# Technical Reference Books



## HVAC Engineer's Handbook

Eleventh Edition

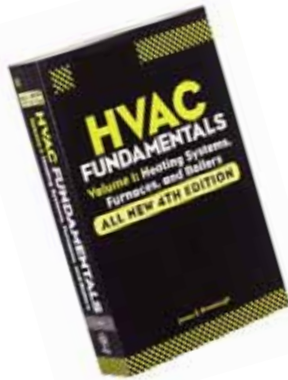
By Fred Porges, 2001

- Full comparative summary of all air conditioning techniques
- Provides must have information for engineers, technicians, and students dealing with HVAC

This handbook is widely known as a highly useful and definitive reference for HVAC engineers and technicians alike, and those who work on domestic hot and cold-water services, gas supply, and steam services. Newly updated on natural ventilation, ventilation rates, free cooling and nighttime cooling.

**Order Number: BK-0001**

ISBN: 0750646063, Pages: 320, Hardback



## HVAC Fundamentals

### Volume 1: Heating Systems, Furnaces, and Boilers

Fourth Edition

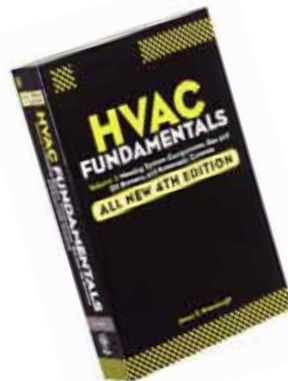
By James E. Brumbaugh, 2004

- Review the basics of installation, wiring, and troubleshooting for different HVAC systems
- Compare the economy and efficiency of various fuel types
- Find formula cross references, data tables with conversions, and listings of trade organizations and equipment manufacturers

Whether you're installing, servicing, repairing, or troubleshooting an old or new heating system, you'll find what you're looking for, from wood and coal furnace maintenance to new calculations and the latest environmental technologies and regulations.

**Order Number: BK-0005**

ISBN: 0764542060, Pages: 698, Paperback



## HVAC Fundamentals

### Volume 2: Heating System Components, Gas and Oil Burners, and Automatic Controls

Fourth Edition

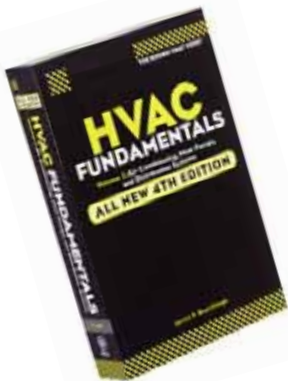
By James E. Brumbaugh, 2004

- Install and repair thermostats, humidistats, automatic controls, and oil or gas burner controls
- Review pipes, pipe fittings, piping details, valve installation, and duct systems
- Learn the best ways to handle hydronics and steam line controls
- Deal with solid fuels and understand coal firing methods

This guidebook covers everything you need to know to install, maintain, and repair the components that run, regulate, and fuel both old and new systems.

**Order Number: BK-0006**

ISBN: 0764542079, Pages: 655, Paperback



## HVAC Fundamentals

### Volume 3: Air Conditioning, Heat Pumps, and Distribution Systems

Fourth Edition

By James E. Brumbaugh, 2004

- Learn to install and service today's popular electronic air cleaners and filters
- Service less common heating systems such as coal-fired furnaces
- Install, maintain, and repair humidifiers and dehumidifiers
- Handle radiators, convectors, and baseboard heating units

This book provides a comprehensive, hands-on guide to installing, servicing, and repairing all basic air-conditioning systems. It also includes complete coverage of specialized heating units such as radiant heating systems, fans, exhaust systems, air filters, and more.

**Order Number: BK-0007**

ISBN: 0764542087, Pages: 676, Paperback

VISIT OUR WEBSITES: [www.dwyer-inst.com](http://www.dwyer-inst.com) • [www.dwyer-inst.co.uk](http://www.dwyer-inst.co.uk) • [www.dwyer-inst.com.au](http://www.dwyer-inst.com.au)



# Technical Reference Books



## Plant Engineer's Handbook

Edited by R. Keith Mobley, 2001

- Produced in association with Plant Engineering Magazine and created by leading authors and editor
- International perspective with dual units and regulations

Offers comprehensive coverage of an enormous range of subjects, which are of vital interest to the plant engineer and anyone connected with industrial operations or maintenance. Includes plant site selection, basic facilities, lubrication, corrosion, energy conservation, maintenance, insurance matters, materials handling, financial concerns, and environmental considerations.

**Order Number: BK-0003**

ISBN: 0750673281, Pages: 2400, Hardback

---



## Instrumentation Reference Book

Third Edition

Edited by Walt Boyes, 2002

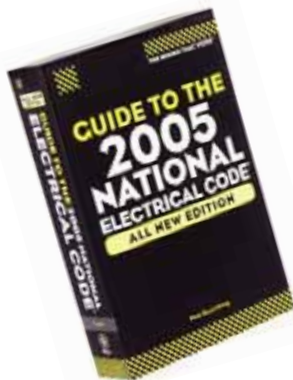
- Great reference for anyone in the process, control and instrumentation fields where measurements are essential

This reference book is a comprehensive and authoritative collection of technical information, which is of direct value to instrumentation and control engineers as well as instrumentation technicians and users. Covers topics such as measurement of flow, viscosity, length, strain, level, volume, vibration, force, density, pressure, radiation, particle size, temperature, noise, optical, and chemical composition. Also includes instrumentation systems and technical references.

**Order Number: BK-0002**

ISBN: 0750671238, Pages: 1062, Hardback

---



## Guide to the 2005 National Electrical Code

By Paul Rosenberg, 2004

- Understand the terms and rules for installation set forth in the NEC
- Review each section of the NEC that applies to electrical installation
- Learn about the significant changes in bonding and grounding requirements
- Explore the expanded section covering communications equipment

This guide extracts the necessary information for installers and arranges it for easy access, highlighting the changes so you can quickly spot what's new. If you're a novice or even a veteran, you'll want this book with you on every job.

**Order Number: BK-0012**

ISBN: 0764578022, Pages: 816, Paperback

---



## Electrician's Pocket Manual

Second Edition

By Paul Rosenberg, 2003

- Explains updated maintenance and construction standards
- Provides details on motors, controllers, and circuits
- Examines electronic components and communications wiring
- Offers guidelines for dealing with hazardous location wiring
- Covers generators, mechanical power transmission, and electrical power distribution

The Electrician's Pocket Manual is packed with charts, conversions, photographs, diagrams, code standards, and other information you need on the job. It even includes a chapter on tools and safety. This on-the-job reference will help you find answers quickly and easily.

**Order Number: BK-0011**

ISBN: 0764541994, Pages: 358, Paperback



# Technical Reference Books

## Pumps & Hydraulics

Sixth Edition

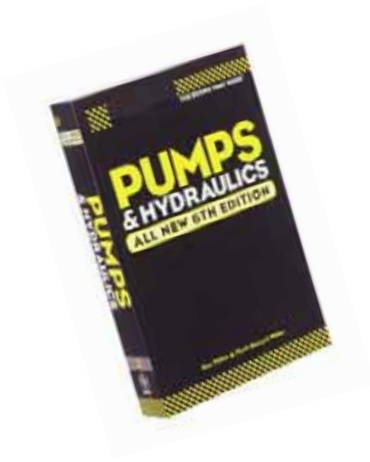
By Rex Miller & Mark Richard Miller, 2004

- Learn to install and service pumps for nearly any application
- Service and maintain individual pumping devices that use smaller motors
- See how pumps are used in robotics, taking advantage of hydraulics to lift larger, heavier loads
- Know the appropriate servicing schedule for different types of pumping equipment

This handbook is widely known as a highly useful and definitive reference for HVAC engineers and technicians alike, and those who work on domestic hot and cold-water services, gas supply, and steam services. Newly updated on natural ventilation, ventilation rates, free cooling and nighttime cooling.

**Order Number: BK-0009**

ISBN: 0764571168, Pages: 556, Paperback



## Air Conditioning: Home & Commercial

Fifth Edition

By Rex Miller & Mark Richard Miller, 2004

- Information on installing and maintaining both residential and commercial systems
- Understand the physics of air conditioning and filtration
- Make accurate temperature measurements using various methods and devices
- Work with room air conditioners, water cooling systems, and auto air conditioning
- Learn about refrigerants, compressors, condensers, evaporators, and AC motors

Whether you're an AC professional, an independent repair technician, or a cost-conscious homeowner, this guidebook contains everything you need. It includes information on installing, servicing, maintaining, and troubleshooting.

**Order Number: BK-0008**

ISBN: 0764571109, Pages: 504, Paperback



## Refrigeration: Home & Commercial

Fifth Edition

By Rex Miller & Mark Richard Miller, 2004

- Know how different types of refrigerants are used and how to handle them safely
- Perform routine maintenance on various types of compressors
- Test for leakage and resolve common problems such as freeze-ups
- Repair and replace refrigerator cabinet parts
- Troubleshoot common problems with home freezers
- Breakdown of electrically driven and absorption-type refrigeration units
- Learn to troubleshoot and maintain the wide variety of motors used in cooling devices
- Service and repair automatic icemakers, water coolers, and display cases

Whether you're a student, apprentice, cost-conscious homeowner, or skilled technician, this reference manual will provide you with valuable information. Beginning with the essential physics and math, it provides a complete course in maintaining, troubleshooting, and repairing both new and vintage refrigeration systems for home and light industry.

**Order Number: BK-0010**

ISBN: 0764571176, Pages: 738, Paperback

