



# Refrigeration and Air-Conditioning, Fourth Edition

By G F Hundy, A. R. Trott, T C Welch

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**Refrigeration and Air-Conditioning, Fourth Edition** By G F Hundy, A. R. Trott, T C Welch

Now in its fourth edition, this respected text delivers a comprehensive introduction to the principles and practice of refrigeration. Clear and straightforward, it is designed for students (NVQ/vocational level) and professional HVAC engineers, including those on short or CPD courses. Inexperienced readers are provided with a comprehensive introduction to the fundamentals of the technology. With its concise style yet broad sweep the book covers most of the applications professionals will encounter, enabling them to understand, specify, commission, use and maintain these systems. Many readers will appreciate the clarity with which the book covers the subject without swamping them with detailed technical or product specific information.

New material in this edition includes the latest developments in refrigerants and lubricants, together with updated information on compressors, heat exchangers, liquid chillers, electronic expansion valves, controls and cold storage. Topics also covered include efficiency, environmental impact, split systems, retail refrigeration (supermarket systems and cold rooms), industrial systems, fans, air infiltration and noise.

## Author Information

Guy Hundy studied Mechanical Engineering at Leeds University, UK. He started his career in the refrigeration industry with J & E Hall Ltd, Dartford. In 1985 he joined Copeland Europe and in 1998 he was appointed Director, Application Engineering, Copeland Europe. He has authored and co-authored papers and articles on compressors, applications and refrigerant changeover topics. Guy Hundy is a Chartered Engineer and works as a Technical Consultant. He is past - President of the Institute of Refrigeration.

\* Covers principles, methods and application of refrigeration, air conditioning and heat pumps in a concise volume, without the encumbrance of handbook information found in other volumes

\* Ideal for students, and professionals in other disciplines, not too theoretical but with sufficient depth to give an understanding of the issues, this book takes the reader from the fundamentals, through to system design, applications, contract

specifications and maintenance

\* Full revision by Guy Hundy with new diagrams and illustrations

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## **Editorial Review**

### **About the Author**

Guy Hundy has extensive experience in the design and application of refrigeration compressors. Previously Director of Application Engineering with Copeland Europe and a Past-President of the Institute of Refrigeration, he has particular expertise in the field of compressor performance and efficiency in commercial refrigeration, air conditioning and heat pumps.

Hundy is currently Director at Aleph Zero Ltd a refrigeration and cooling optimization consultancy.

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