

Inserted this year in the chapter on Chimneys and Draft Calculations is a method of separately determining duct and chimney friction factors as a function of the flow conditions, and specifically as a function of the Reynolds number and the relative chimney or flue pipe roughness.

The chapter on Drying Systems which was introduced last year has been improved by the addition of several new charts and tables applicable to varied systems of drier installations. Other chapters which have been revised and amplified with much new material are: Refrigeration, Cooling Methods, Air Cleaning Devices, Railway Air Conditioning, Boilers, Radiators and Gravity Convectors, Steam Heating Systems, Piping for Steam Heating Systems, Hot Water Heating Systems and Piping, and Electric Motors and Controls.

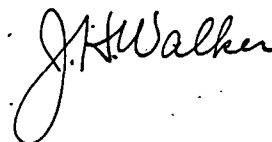
A new 16 x 20 in. Bulkeley Psychrometric Chart with an additional directrix line will be found in a convenient envelope attached to the inside back cover, thus making it easily accessible for performing psychrometric calculations. All of the principal illustrations, curves and charts have been redrawn in order to present a more uniform appearance throughout the book. The drawing symbols for heating, ventilating and air conditioning applications have been revised and amplified to include the piping and fitting symbols recommended by the *American Standards Association* for drafting room practice. The Problems in Practice have been continued with new and practical solutions to expand the text material given in each of the 44 chapters.

Manufacturers recognizing the meritorious features of THE GUIDE as an advertising medium have been responsible for an increased number of pages in the Catalog Data Section. Special efforts have been made this year to have the manufacturers present in their advertising pages of descriptive material, detailed technical data and equipment dimensions. This will enable the heating, ventilating and air conditioning engineer to have available in one volume a great deal of the essential data required for designing a complete system. The Committee is appreciative of the cooperative efforts of the manufacturers who have assisted in this program.

The continual demand for increasing copies of this handbook by colleges, universities, engineering and technical schools is further evidence of the recognition given to THE GUIDE as the standard authority in the field of heating, ventilating and air conditioning.

It is hoped that the reader of this edition will be amply rewarded with the information contained in the 1180 pages of text and catalog data and that the conciseness and reliability of data presented will impress the user who desires a handbook for quick reference. It is again bound in a flexible blue cover with gold stamping.

In releasing this fifteenth edition of 14,500 copies, the committee hopes that THE GUIDE 1937 will receive the same enthusiastic reception that has been accorded to previous volumes which have appeared annually since 1922.

 J. H. Walker, Chairman

GUIDE PUBLICATION COMMITTEE

EDITORIAL ACKNOWLEDGMENT

CONTINUOUSLY for 15 years THE A.S.H.V.E. GUIDE has maintained leadership as the authoritative source of information on all phases of heating, ventilating and air conditioning and the profession with its allied industries have adopted it as their standard reference work. This achievement of world wide recognition has been possible because of the willingness of hundreds of engineers and technical experts to contribute freely from their knowledge and practical experience for the benefit of the entire profession.

The Guide Publication Committee is proud to acknowledge with gratitude and to earnestly commend the work of the following individuals who have cooperated in the production of the 1937 edition, and also to those contributors who have previously prepared a firm foundation for the addition of new and amplified material.

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The many readers of THE GUIDE 1937 and especially the members of the Society are deeply indebted to these engineers who have assisted in the preparation of this edition and the Guide Publication Committee wishes to pay tribute for this loyal cooperation and devotion to public service in advancing the art of heating, ventilating and air conditioning engineering. This 15th edition of THE GUIDE is hereby dedicated to the service of the profession.

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