PLUMBING TECHNOLOGY: DESIGN AND INSTALLATION

THIRD EDITION

LEE SMITH
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Plumbing Technology: Design and Installation

Third Edition

Lee Smith
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Plumbing Technology: Design and Installation is a reflection of how plumbing as a trade has grown in complexity over the years. Our society has become increasingly dependent on skilled professionals for its health and well-being. This textbook is a vital resource in the training of these craftspeople.

The author, Lee Smith, a master plumber and a retired instructor at the Center for Arts and Technology in Chester County, Pennsylvania, has revised this benchmark textbook with a view towards modern plumbing style while retaining essential information for work on existing plumbing systems.

The following master plumbers have been of invaluable assistance in the preparation of this text: Jim Kelleher, Kelleher Plumbing Company; Bernie Feodoroff, Y.K. Mechanical Services; J.D. Witherill Plumbing Co.; Paul Pollets, Advanced Radiant Technology; Steven H. Paul, Plumbing & Heating; Al Boyarsky, Boyarsky Plumbing and Heating; Bob Murray, Yankee Professional Plumbing Service; George Slaven, George Plumbing Inc.; Karl Conley, Conley Bros. Plumbing and Heating, Inc.; Jared Mance, Kingston Mechanical; Terry Love, Love Plumbing & Remodeling; L.R. Burk, Maio Plumbing, Heating and Air Cond.; and Jim Rauer, Kish & Rauer Plumbing.

This text stresses good solid plumbing practice applicable to all areas and plumbing materials. Because our society has become so very mobile and few students will spend their whole working lives in any one area of the country, we have used a flexible approach to instruction. North America uses four major plumbing codes and numerous regional ones. Plumbing Technology uses information from all of these, along with the scientific basis for the code provisions, to provide a broad based experience to the student.

Each unit has its own set of objectives that clearly state what the student will learn in the unit. A summary is provided at the end of most chapters to enhance
Preface
and review the salient points. The “Test Your Knowledge” review questions at the end of each chapter give students an opportunity to self-diagnose the extent of their knowledge. It is strongly urged that the students look up the answers in the Appendix, as additional information may often be found appended to the answer. The Instructor’s Handbook has additional chapter end materials and student projects.

The units are logically organized into seven sections: Basic Knowledge, Threaded Pipe, Waste Systems, Water Systems, Heating Water, Special Cases, and Fixture Installation.

The author and publisher hope that your experience with Plumbing Technology: Design and Installation is positive, and that you enjoy using the text whether you are a student or an instructor.

The author and Delmar would like to thank the following reviewers for the comments and suggestions they offered during the development of this project. Our gratitude is extended to:

Martin Clark-Stone  
State University of New York  
Canton, NY

Robert Irion  
AAA Construction School  
Jacksonville, FL

Frank Beatty  
Pennsylvania College of Technology  
Williamsport, PA
ACKNOWLEDGMENTS