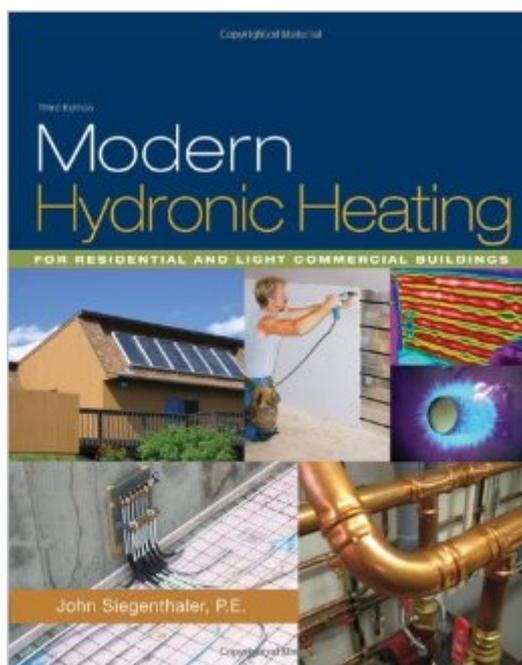


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# Modern Hydronic Heating: For Residential And Light Commercial Buildings (Go Green With Renewable Energy Resources)



## Synopsis

From simple applications to multi-load / multi-temperature systems, learn how to use the newest and most appropriate hydronic heating methods and hardware to create systems that deliver the ultimate in heating comfort, reliability, and energy efficiency. Heavily illustrated with product and installation photos, and hundreds of detailed full-color schematics, **MODERN HYDRONIC HEATING, 3rd EDITION** is a one-of-a-kind comprehensive reference on hydronic heating for the present and future. It transforms engineering-level design information into practical tools that can be used by technical students and heating professionals alike. This revised edition features the latest design and installation techniques for residential and light commercial hydronic systems including use of renewable energy heat sources, hydraulic separation, smart circulators, distribution efficiency, thermal accumulators, mixing methods, heat metering, and web-enabled control methods. Everyone involved in the heating trade will benefit from this preeminent resource of the North American heating industry. It is well-suited for use in a formal education course, self-study, or as an on-the-job reference.

## Book Information

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## Customer Reviews

Excellent book for a DIYer planning on installing a hydronic radiant system. Gives basically all the information that you need to plan and install a full system. Some of the topics are pretty involved and require some basic math, but the book walks you through everything with great detail.

Covers:1) Determining heating load estimates2) Required water temperatures and flow rates3) Pipe installation, including pumps and expansion tanks4) Several approaches to zoning5) Laying PEX tube for radiant panels

The book was very useful. The only drawback was the "Hydronics Design Kit" was not included. This costs an additional \$76 from Oikos.com and is referred to many times in the book. Therefore, it is almost a requirement during use of the book.

This book is THE resource for any homeowner planning to install radiant floor heat. It is written as a textbook for HVAC students, but it serves equally well as a reference and informative design resource for the average homeowner. John Siegenthaler is recognized by his peers as one of the outstanding radiant heating engineers. I highly recommend this book.

This textbook is the kind you might want to use for a college course on Hydronic Heating Design. It mentions a software program (not included) that must have been used in conjunction with the creation of this text. Great explanations and examples along with exercises at the end of each chapter. Well worth the price.

Although pricey, I would recommend buying this book if you plan to put in radiant floor heating yourself. I looked at the other books which just scratched the surface and found this one was a complete guide to what I needed. Don't waste your money on the others unless you just want some general information. The author of this book knows what he's writing about.

this is an excellent book. i have an engineering background, and this book has the level of detail and scientific rigor i find useful. i am using it to design my own system.

this is really an excellent book. you can use this book to build a system from scratch with confidence. all information that could possibly be important is inside but the way it is organized you don't have to read the whole thing and you can skip around. really well written. good job. also included is detailed information on many possible unusual configurations including wood fired hot water systems.

This book was an excellent source of information on hydronic floor heating. It was easy to read, had

complete information and was very helpful in the planning stages of our construction project.

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