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River Publishers Series in Energy Engineering and Systems

Testing and Balancing HVAC Air and Water Systems, Sixth Edition

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Description:

Thoroughly revised, this book provides the reader with an understanding of the principles and practices of testing and balancing (TAB) heating, ventilating, and air conditioning (HVAC) air and water systems. For the novice and the experienced testing and balancing technician, it is a field reference book of procedures, equations, and information tables.

Divided into five parts, Part I has general and specific balancing procedures for constant air volume systems, variable air volume systems, return air systems, and fans and fan performance. Part II covers testing and balancing fume hood systems and cleanrooms, commissioning HVAC systems, centrifugal pumps and pump performance, analog and digital controls and water balancing procedures using flow meters, system components, and temperatures. Part III covers fans, pumps, air distribution, water distribution, motors, electrical, fluid flow, psychrometrics, refrigeration, and instrument usage and care. Part IV includes equations and tables. New to this edition, Part V has information and additional test and balance procedures and graphics for chapters 1-7 and 13-14. TAB Data and Test forms are in the new addendum as well.

- Provides the readers with revised information about the principles and practices of testing and balancing (TAB) heating
- Represents a field reference guide for both the novice and experienced testing and balancing technician
- Includes a new section with information and additional test and balance procedures and graphics