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Design Considerations for Hot Water Plumbing: Quick Book (Paperback)

By A Bhatia

Createspace Independent Publishing Platform, United States, 2014. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Heating water is typically the second largest use of energy in residential and commercial buildings (after space heating and cooling). Despite its resource intensity, the hot water delivery system is seldom an area of significant focus when constructing a building. As a result, many buildings today are built with poor performing, inefficient hot water delivery systems that take minutes to deliver hot water to the point of use and waste large amounts of energy and water in the process. How quickly and efficiently a hot water system can deliver to the point of use require focus on three areas: -Generation: Heaters shall be sized for meeting both the daily requirements and for the hourly peak loads of the occupants of the building. Hot water can temporarily run out if the design is inadequate and will have higher energy costs if the system is oversized. -Distribution: Once heated, the hot water must be delivered to the intended point of use. The factors influencing the distribution efficiency include length of piping between the water heater and a given fixture, continuous recirculation controls,...



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