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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. The nature of fluids and the study of fluid mechanics -- 2. Viscosity of fluids -- 3. Pressure measurement -- 4. Forces due to static fluids --5. Buoyancy and stability -- 6. Flow of fluids and Bernoulli's equation -- 7. General energy equation -- 8. Reynolds number, laminar flow, turbulent flow, and energy losses due to friction -- 9. Velocity profiles for circular sections and flow in noncircular sections -- 10. Minor losses -- 11. Series pipeline systems -- 12. Parallel and branching pipeline systems -- 13. Pump selection and application -- 14. Open-channel flow -- 15. Flow measurement -- 16. Forces due to fluids in motion -- 17. Drag and lift -- 18. Fans, blowers, compressors, and the flow of gases -- 19. Flow of air in ducts.
Sommario/riassunto	Now in full color with an engaging new design, Applied Fluid Mechanics, Seventh Edition, is the fully updated edition of the most popular applications-oriented approach to engineering fluid mechanics. It offers a clear and practical presentation of all basic principles of fluid mechanics (both statics and dynamics), tying theory directly to real devices and systems used in mechanical, chemical, civil, and environmental engineering. The 7th edition offers new real-world

example problems and integrates the use of world-renowned PIPE-FLO® software for piping system analysis and design. It presents new procedures for problem-solving and design; more realistic and higher quality illustrations; and more coverage of many topics, including hose, plastic pipe, tubing, pumps, viscosity measurement devices, and computational fluid mechanics. Full-color images and color highlighting make charts, graphs, and tables easier to interpret organize narrative material into more manageable "chunks," and make all of this text's content easier to study.
