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Nota di contenuto	Intro -- Introduction to Desalination -- Contents -- Preface -- Dedication -- Part I Introduction -- 1 Global Water Scarcity and the Need for "New Water" -- 2 Technical Glossary -- 3 Engineering Principles -- 4 Physical, Chemical, and Biological Properties of Materials -- 5 Water Properties -- 6 Water Chemistry -- 7 The Conservation Laws, Stoichiometry, and Thermodynamics -- 8 Unit Operations -- Part II Desalination and Water Treatment Processes -- 9 The Desalination Process -- 10 Evaporation -- 11 Reverse Osmosis -- 12 Crystallization -- 13 Traditional Desalination Processes -- 14 New Desalination Processes -- 15 Non-Desalination Processes -- Part III Select Related -- 16 Water Conservation -- 17 Economic Considerations -- 18 Optimization Considerations -- 19 Ethical Considerations -- 20 The Future of Desalination -- Index -- EULA.