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Part 1 is written by the teachers of Ural Federal University named after the 1st President B.N. Yeltsin (V.I. Aksyonov, sections 1,2 (2.1),3,4; E.V. Migalitiy, sections 2 (2.2), A.F. Nikiforov, sections 2(2.2.3)), Part 2 is written by the teacher of Slovak University of Technology in Bratislava J. Kriš.

The present textbook is a part of book series for courses of the project "Network for Master Training in Technologies of Water Resources Management" (NETWATER).

Part 2 is dedicated to the modern technologies of water treatment in institutions dealing with municipal water supply. The edition gives the scheme of equipment, its operating conditions and examples of its application. Great attention is paid to scientific aspects of portable water purification.

The textbook is developed for bachelor and master students of the programmes: 280700 "Technosphere Safety", 022000 "Ecology and Nature Management", 241000 "Power- and Resource-Saving Processes in Applied Chemistry, Petrochemistry and Bioengineering", 270800 "Construction" as well as for postgraduates, teachers and researchers specializing in industrial and municipal water conditioning and water drain technology and for mastering English.

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