

FUNDAMENTALS OF ENERGY-SAVING TECHNOLOGIES IN WASTEWATER TREATMENT PROCESSES

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Abstract. *This study work discusses instruments and devices for measuring technological parameters of wastewater treatment to automate treatment processes in order to achieve energy-efficient indicators of consumed energy resources, in particular electricity. The main object of study is an aeration tank in which the aeration process is carried out, which is the most energy-intensive process in the implementation of biological wastewater treatment.*

Key words: *aeration, aeration tank, compressor, dissolved oxygen concentration, frequency converter, measuring device*