

Features of Water Resources Use in the Manufacturing Industry

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In the context of industrial development, there is an acute problem of water use intensification, water consumption and depletion of water resources. They serve as an integral resource of the petrochemical industry and are used for technological purposes, as raw materials for chemical production, and also as a coolant and refrigerant. I examined the trends in water consumption by manufacturing industries and clarified the semantic aspect of concepts in the framework of the water resources use by Russian industrial enterprises. In the article, I talked about the features and methods of water supply in manufacturing enterprises, including petrochemical industries, and gave the basic methods for treating recycled water in the petrochemical industry. I believe that today the most acceptable way is to use a circulating water supply system, which allows to reduce the high content of contaminants in the circulating water.

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