Energy Efficiency of Two-Stage Drying of Vegetable Stock

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Abstract: The article deals with design of two-stage convective vacuum impulse during of vegetable stock, based on the two types of drying. The first stage is convective in a swirled layer, and the second stage is vacuum-impulse. The researchers suggest the ways of reducing energy consumption through the development of new designs of liquid ring vacuum pumps. The comparative evaluation in terms of power consumption of the current convective vacuum-impulse driers and the up-graded ones has been carried out.

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