IMPROVEMENT OF DEVICES WITH COUNTER INVOLUTE STREAMS FOR FOOD INDUSTRY

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This work is devoted to the equipment used for cleaning dust-Laden flows, drying of granulated and loose materials, granulation products and for recovering a wide range of dust in the chemical, construction, food industry and other industries that require gas cleaning maintaining the quality of the caught dust for further use.

Such equipment is devices with corresponding twisted threads for increase of efficiency of dust collecting in general. It is necessary to increase the fractional efficiency, due to relations between the cost of gas and torque, and this is possible due to changes of constructive elements, namely the increase of the diameter of the collector in the lower part together with the puck that is located inside the dust collector.

Keywords: improvement, dust collector, efficiency, equipment, dust, flow, shell, diameter, research, gas.

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