

A high-performance deduster contains cylindrical case with inlet pipes of main and auxiliary dust-gas flow, outlet branch pipes of purified air and dust, swirlers and swivel washer. It is additionally equipped with another case located in the upper part of the device above the branch pipe of inlet of auxiliary gas with additional branch pipe of outlet of purified air located in its upper part and placed on its axis, and with louvre separator located coaxially with this case which is continuation of branch pipe of outlet of pure air of the main case. The louvres of separator are located at a tangent to the direction of movement dust-gas flow inside the separator.