

Dust catcher contains a housing with tangential inlet duct and axial branch connections for the outlet of pure air and dust, louver separator and hopper. Louvre separator consists of upper and lower annular bases with the louvers mounted on them, cylindrical shells. Upper and lower ends of the louver have pivot axles being resilient in the form of ordinary springs connected to the nonworking surfaces of louver and mounted with a displacement from vertical axis of each louvre plate to the side of its front end in such a manner that the axes of rotation of louver do not coincide with their axes of symmetry. Annular bases are deepened in the cylindrical shell, in this case the internal ends of the shell overlap the end parts of the louver.