

A dust catcher with the four-section separator consists of cylindrical conical housing with inlet, outlet, dust outlet branch connections, louvre separator made of four sections, diameters of which decrease from the inlet to the dust outlet branch connection. In each section the first vertical side in the direction of flow of each separator louvre is fixed between upper and lower fixed bases with the possibility of rotation. The upper edge of the second vertical side of each louvre in the direction of flow is connected with a regulator ring, which is set in motion by a rod, movement of which in the horizontal plane leads to the change in the position of this ring and the shutter too, for an angle from 0° to 60° .