

Dust collection duct consists of a manifold connected to inlet and outlet pipes. The duct manifold is constructed as a series of dust collection chambers rigidly connected to one another. Each chamber consists of two conical frames joined together at their wider edges. Adjacent chambers are connected to one another along the narrower edges of the frames, forming an inter-chamber passage of equal size for the intake air. The diameters of the wider edges of the frames in the subsequent chamber are 30-35% wider than the diameter of the edges of the frames of the preceding chambers in the direction of airflow. Each dust-settling chamber is equipped with a discharge pipe at the bottom, fitted with a settled dust discharge device.