

Direct-flow cyclone with recirculation comprises a cylindrical body with a confuser, a diffuser and a vortex chamber between them, cowls with swirlers and flow straightener, which are coaxially mounted in the body connected to a dust collector by holes. Upstream of a flow straightener is made a circular face with holes for dust in a dust collector of conical shape, which is provided with recirculation ejectors connecting it with a swirl chamber and oriented in the direction of the flow velocity.