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The invention relates to the installations for conversion of wind energy into the mechanical energy and can be used for the electric power autonomous production.

The rotor-type windmill contains a windwheel with a horizontal rotation shaft 1 provided with arc blades 2 and installed on posts 3, which are fixed on a rotary platform 4, provided with rollers 5, installed around the perimeter of its lower surface, mounted on a vertical axis 6 and on a circular rail 7 with the rotation possibility. The installation is provided with an air intake 8 having a wide inlet and a narrow outlet, which is placed on the rotary platform 4. From the outlet side, the air intake 8 is provided with rigid bearing grids 9 and a horizontal rolling shaft 10 in bearings, to which it is fixed one end of the flexible shield 11, the width of which is equal to the outlet width, made of flexible and dense cloth, to the other end of the flexible shield 11 it is uniformly fixed along its full width a load 12, with the possibility of freely displacing between the rigid bearing grids 9, to the ends of the rolling shaft 10 there are fixed chain sprockets and drums, on which there are rolled cables with counterloads. From the lateral sides at the inlet of the air intake 8 it is fixed a shaft, provided with control blades 18, the ends of which are brought out through the openings in the air intake 8 and on which there are fixed chain sprockets, joined through chain gears with the chain sprockets placed on the ends of the rolling shaft 10.

The shield is made rigid, placed on the grids and it is controlled by means of a rack pusher.

The technical result consists in the intensification of the air flow and stabilization of the windwheel rotation speed.

