

**a 2000 0051**

Rotor-type windmill contains a vertical shaft with blades, mounted above a housing with a large inlet and narrow outlet provided with rollers and is installed on the circular rails situated around the shaft with blades.

The gills are installed by the narrow outlet, and the opening thereof is carried out by means of the blade installed in the bearings on the exterior housing surface. The blade is provided with three levers one of which is mounted in the blade back and is kinematically coupled with gills and the other two are mounted in the blade front, one of which is connected to the tension spring, the other one through the rope-to the counterweight.

The result consists in the automatic regulation of the vertical shaft rotation velocity independently of the wind one.