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The invention relates to plants for the conversion of wind energy into the mechanical one, which may be used for the production of different kinds of energy.

The plant includes consecutively joined between them and creating a closed circuit, a windmill with vertical axis of rotation, kinematically joined with the pump, containing outlet and inlet pipes, a drive of the electric generator and circulating pump, a generator, a heat accumulator with heater and heat exchanger, and a circulating pump.

The novelty consists in the fact that in the created closed circuit to the outlet pipe of the pump there are consecutively connected the pneumatic accumulator, a pressure controller, a distribution collector, containing two and more throttles. The pump contains a central rotor and, at least, two satellite rotors, being in engagement with it.

The technical result consists in increasing the plant productivity and expanding the utilization field of the converted wind energy.