

The invention relates to the machine building and can be used as a pump, a compressor or an internal combustion engine in the structure of any energetic plants or vehicles. A rotary internal combustion engine comprises a housing with the first and second hollows in each of them a choke and a rotor with radial blade are installed. The rotor blade divides the space between the housing, choke and rotor into the chambers of combustion-output and input-compression, respectively. The hollows are connected by an air-fuel main with a lock valve and an air receiver with inlet and outlet lock valves is introduced into the air-fuel main.