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GEBAR

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Geared piston air motors GEBAR with contactless rotary piston design

The torque is generated by a single power piston and transmitted to the output shaft through a second, freely rotating piston via a precision synchronized gear train. Both pistons rotate without direct contact, minimizing friction and achieving torque efficiencies exceeding 98%. As a result, the system ensures long-lasting, maintenance-free operation without downtime. The closed motor housing, without breather holes, allows operation in wet or contaminated environments without the risk of internal corrosion.

Our design enables easy configuration to meet specific application requirements. Control valves, including remote, lever, and emergency stop, are available as bolt-on options. Additionally, industry standard brakes, gears, and silencers are offered.

