

Title (en)
ROTARY PUMP

Title (de)
ROTATIONSPUMPE

Title (fr)
POMPE ROTATIVE

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Application
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Abstract (en)
[origin: WO2007025790A1] The invention relates to a rotary pump (1) for generation of a pressurised medium flow for a user, comprising a pump housing (2) in which a curved ring (3) is installed, a rotor (4), supported on a drive shaft (5) to rotate within the curved ring (3) and an adjuster device (11), pressurised by the medium for adjustment of the eccentricity of the curved ring (3) relative to the rotor (4), made up of two pressure chambers (12, 15), the pressure in the first and the second pressure chamber (12, 15) being controlled by a flow regulation valve (16), the low pressure chamber (17) of which is in connection to a control line (18) leading from the pressure opening (10) on the downstream side of a metering orifice (19). The first control line (18), viewed in the direction of rotation of the rotor (4), opens at the beginning (20) of the (20) pressure opening (10) into the pressure opening (10) via a primary connector, such that a tangential impulse of the pressure medium is guided to the metering orifice (19) and a second control line (22) opens in the pressure opening (10) via a second connector, such that a tangential and a radial impulse of the pressure medium is guided to a high pressure chamber (24) of the flow regulation valve (16).

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