

Title (en)  
ROTARY COMPRESSOR

Title (de)  
SCHWENKKOLBENVERDRÄNGER

Title (fr)  
DEPLACEUR DE PISTON OSCILLANT

Publication  
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Application  
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Abstract (en)  
[origin: WO02088525A1] The invention relates to a rotary compressor (2) comprising an impeller casing (4). An approximately cylindrical receiving chamber (5) for an approximately cylindrical rotary piston (6), which has a smaller outside diameter and which is mounted eccentrically with regard to the receiving chamber (5) on an eccentric drive (7), is provided inside said impeller casing. The rotary piston forms an approximately sickle-shaped intermediate chamber between its outer wall and the inner wall of the receiving chamber (5). This intermediate chamber is divided into a pressure chamber (9) and a suction chamber (10) by a separating crosspiece (8) that is placed between an inlet opening (11) that is located inside the casing and an outlet opening (12). The outer and inner fixing locations of the separating crosspiece (8), which are joined to the casing (4) on one side and to the rotary piston (6) on the other side, are offset with regard to one another in the peripheral direction of the rotary piston (6). The separating crosspiece (8) is made of a flexible material and has, near both of its fixing ends, bending sections and an intermediate section (22), which is located therebetween and which is more rigid than the bending sections.

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