

Title (en)
CYLINDER HEAD FOR A COMPRESSOR

Title (de)
ZYLINDERKOPF FÜR EINEN KOMPRESSOR

Title (fr)
CULASSE POUR COMPRESSEUR

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Application
EP 19744669 A 20190723

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Abstract (en)
[origin: WO2020035265A1] The invention relates to a cylinder head (2) for a reciprocating compressor for compressing a compressible working medium, comprising a cylinder cover (7) and a valve carrier plate (5), said cylinder head being designed as follows and having the following features. An intermediate element (6) is arranged between the cylinder cover (7) and the valve carrier plate (5), and a plurality of channel sections (8.1, 10) and/or chambers (14.1, 14.2, 15.1, 15.2) are arranged between the valve carrier plate (5) and the intermediate element (6) and between the cylinder cover (7) and the intermediate element (7) or are formed thereby, through which various media flows can be conducted. In order to improve the efficiency of the reciprocating compressor, insulation chambers (9.1... 9.3) are provided in the cylinder head (2), which at least in regions thermally insulate the channel sections (8.1, 10) and/or chambers (14,14.2, 15.1, 15.2) from one another.

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