

Title (en)

VALVE BLOCK FOR CONTROLLING THE OIL SUPPLY OF A SCREW COMPRESSOR

Publication

EP 0067949 A3 19830112 (DE)

Application

EP 82103912 A 19820506

Priority

DE 3122361 A 19810605

Abstract (en)

[origin: EP0067949A2] 1. Valve block, which is flangeable to the housing of a screw compressor, for the control of the oil supply with a respective bore disposed in the connecting flange (1) for the oil entry (2) and for the oil exit (3), which bores communicate with corresponding bores in the housing of the screw compressor, with a channel for the oil conduction and extending between the bore for the oil entry (2) and the bore for the oil exit (3), with a shut-off slide valve (11), which is arranged in the path of the channel in a valve bore of the valve block and which is loadable by control air through at least one further channel (4), which extends in the valve block and likewise opens in the connecting flange (1), and with a further flange (7), which possesses a respective outlet and inlet opening interrupting the channel for the oil conduction and onto which an oil filter (8) is placeable, characterised by the combination of the following features : the channel for the oil conduction extends by way of a dirt collector (5) arranged in the valve block, a thermostatically actuable three-way slide valve (6), which according to temperature conducts the channel further either by way of the one path (=>) or the other path (->), is arranged in the course of the channel in a further valve bore (18), the one path (=>) leads directly to the shut-off slide valve (11) and, in the case of the open setting of the same, to the bore (3) for the oil exit, the other path (->) leads to an outer connection (9), with which a further outer connection (10) for the re-entry is associated, wherein an oil cooler is connectable between both these connections, a connecting bore (12) for a differential pressure measuring device (13) is disposed in the valve block and connected through a first measuring channel (14) with the channel leading to the outlet opening (26) for the oil filter (8) and through a second measuring channel (15) with the channel leading to the inlet opening (28) from the oil filter (8).

IPC 1-7

F04C 29/02

IPC 8 full level

F04C 29/02 (2006.01)

CPC (source: EP)

F04C 29/021 (2013.01)

Citation (search report)

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