

Title (en)

SCREW COMPRESSOR COMPRISING A RELIEF VALVE

Title (de)

SCHRAUBENVERDICHTER MIT ENTLASTUNGSVENTIL

Title (fr)

COMPRESSEUR À VIS COMPORTANT UNE SOUPAPE DE DÉLESTAGE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007115787A1] The invention relates to a compressor assembly (1), particularly a screw compressor for generating compressed air, comprising a compressor housing (2) with an intake region (3) and a feed pressure connection (4) for delivering the compressed medium. The assembly is equipped with a unit for deaerating the feed pressure connection (4), said unit comprising a springless relief valve (5) that has a control piston (6), which, during the operation of the compressor assembly (1), adopts a first selection position, closing the feed pressure connection (4) against at least one sealing element (7) and when the compressor assembly is switched off (1) exerts a force on the control piston (6) in a second selection position via a control pressure connection (10) that communicates with the intake region (3), by raising the pressure in said intake region (3) in such a way that the feed pressure connection (4) is deaerated via a deaeration connection (16).

IPC 8 full level

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