

Title (en)
OIL-LUBRICATED ROTARY VANE VACUUM PUMP

Title (de)
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Title (fr)
POMPE À VIDE À TIROIR ROTATIF LUBRIFIÉE À L'HUILE

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Application
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Abstract (en)
[origin: WO2020178344A1] The invention relates to an oil-lubricated rotary vane vacuum pump (1) comprising a rotary vane unit (2), having a rotary vane chamber (10) and a rotary vane rotor (11), and comprising an oil separator device (3), wherein gas and oil are separated in the oil separator device (3), preferably by an air/oil separating unit (4), wherein the air/oil separating element (4) has a filter element (28) which has a plug-in ring (29) at an end that can be plug-connected on a housing side, which plug-in ring is designed for radial sealing and axial displaceability in an associated housing receptacle, and the filter element (28) has a moulding for bayonet mounting, which moulding faces the end associated with the outer wall (21). In order to further improve handling and/or maintenance, according to the invention: a mounting wall (6) of the housing (16), extending at a distance from the outer wall (21) of the housing (16), is designed to interact with the moulding of the filter element (28) and to form the bayonet mounting; a separate cover (9) is provided, which permits a mounting opening (8), associated with the filter element (28), in the outer wall (21) of the housing (16) to be closed; and the cover (9) form-fittingly interacts with the filter element (28) to secure the filter element (28) against rotation.

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