

[ABSTRACT]

A vacuum pump which can sufficiently prevent flow-in of a gas into an accommodating portion of an electric component portion which makes a rotating shaft rotatable is provided. The vacuum pump includes a casing, a rotating shaft enclosed in the casing and rotatably supported, the accommodating portion accommodating the electric component portion making the rotating shaft rotatable, a rotor disposed on an outer side of the accommodating portion and constituted integrally with the rotating shaft, a partition portion disposed on an outer peripheral side of the rotor and constituting a part of a stator, and a rotor disc extended in a radial direction from an outer peripheral surface of the rotor. An exhausted gas flows on the outer side of the rotor by rotation of the rotor. At least a part of opposed surfaces of the rotor disc and the partition portion opposed in an axial direction constitutes a non-contact seal structure which prevents the flow-in of the gas into the accommodating portion.

Selected drawing

Fig. 1