

Abstract

The present disclosure relates to an oil and gas sealing device for dry vacuum pumps and rotary machines, including: an oil tank cover, an oil flinger, a lock nut, a bearing, a bearing fixed seat, a fixed plate, a shaft seal, an O-ring, a piston ring, a stator, and a rotor. The oil and gas sealing device for dry vacuum pumps and rotary machines in the present disclosure has a good sealing effect and is applicable to dry vacuum pumps. Moreover, a sealing structure of the oil and gas sealing device is simple and easy to implement. The sealing design is carried out only on constituent parts, thereby occupying small space without additional components, and being easy to process and low in cost.

[FIG. 1]