

ABSTRACT of the DISCLOSURE

SCREW COMPRESSOR

In a screw compressor according to the present invention, a lip seal is disposed between a suction channel for sucking gas to be compressed into a rotor casing, the rotor casing accommodating a pair of male and female screw rotors meshing with each other, and a bearing for supporting a suction-side rotor shaft of each of the screw rotors. A partition wall is formed between the suction channel and the lip seal, and a gap of 0.5 to 1.5 mm is formed between the partition wall and the rotor shaft. According to this structure there is no fear of the lip seal life being shortened by dust.