

SCROLL COMPRESSOR

ABSTRACT

A high-performance scroll compressor permits the prevention of the deformation of an end plate of a fixed scroll in a hermetically sealed vessel (1) of a typical wall thickness and strength, thus obviating the need for increasing the wall thickness of the vessel or employing a material of higher strength to enhance the pressure resistance of the vessel. A partitioner (12) is provided between the rear surface of the fixed scroll (7) and the hermetically sealed vessel (1), and a hole of the partitioner (12) is communicated with a discharge hole (33) in the end plate (11) of the fixed scroll (7). A covering member (36) is mounted on the partitioner (12) to form a muffler (9), and a discharge pipe (35) is attached to the muffler.

Fig. 1