SCROLL-TYPE OILLESS FLUID MACHINE

ABSTRACT OF THE DISCLOSURE

A highperformance, scroll-type oilless fluid machine has a simple structure which enables highly accurate control of a thrust dimension and easy installation to achieve improved assemblability. The scroll-type oilless fluid machine includes a scroll compressing element and an electric element, wherein the scroll compressing element is constituted by: a stationaryscroll which is fixed to a frame and which has an end plate and a spiral lap vertically mounted on the end plate; and a orbiting scroll which has an end plate, a spiral lap vertically mounted on one surface of said end plate, and a boss vertically mounted on the other surface of the end plate; and an Oldham's coupling for making the orbiting scroll revolve along a circular orbit without causing it to rotate with respect to the stationary scroll. The frame is provided with a dry bearing for supporting the thrust surface of the end plate of the orbiting scroll and the dry bearing is engaged with the frame.

Figure 1

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