

COMPRESSOR AND REFRIGERATION CYCLE DEVICE USING SAME

ABSTRACT

A compressor uses a refrigerant containing R1123 (1,1,2-trifluoroethylene) as a working fluid, and uses a polyol ester oil as a compressor lubricating oil. In addition, a fixed scroll (12) and a revolving scroll (13) each having a spiral lap rising from an end plate, and a compression chamber (15) which is formed by meshing the fixed scroll (12) and the revolving scroll (13), are provided. In addition, a discharge hole (18) which is provided at a center position of the end plate of the fixed scroll (12), and is open to a discharge chamber (31), a bypass hole (68) which is provided in the end plate of the fixed scroll (12), and communicates with the compression chamber (15) and the discharge chamber (31) at a timing different from a timing at which the compression chamber (15) communicates with the discharge hole (18), and a check valve which is provided in the bypass hole (68), and allows a flow from the compression chamber (15) side to the discharge chamber (31) side.

[FIG. 8]