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ABSTRACT

REFRIGERATING CYCLE

In a refrigerating circuit using a refrigerant containing hydrofluorocarbon as a main component, an ascending refrigerant pipe has an inner diameter not larger than a value such that in operation the flow rate of the refrigerant is not smaller than a zero penetration flow rate. It is thereby possible to obtain a refrigerating circuit in which oil 6 is entrained in the flow and which is superior in oil return to the compressor 1 and hence high in reliability, even using refrigerator oil 6 having no compatibility with the hydrofluorocarbon refrigerant.

Fig. 1.

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