

ABSTRACT

All components of an existing R22 refrigeration apparatus, exclusive of an indoor unit (A) and an existing line (21b), are removed. A refrigerant-refrigerant heat exchanger (2) and a refrigerant pump (23) are connected to the existing line (21b) to form a secondary refrigerant circuit (20). The R-R heat exchanger (2) is connected to a primary refrigerant circuit (10). Both the circuits (10) and (20) are charged with an R407C refrigerant. It is arranged such that the design pressure of the primary line (11) exceeds that of a secondary line (21) which was designed for a R22 refrigerant.