

ABSTRACT

A high temperature side refrigerant circuit (20) and a first low temperature side refrigerating circuit are arranged to make their directions of refrigerant circulation reversible. A receiver (25) of the high temperature side refrigerating circuit (20) includes: a first pipe (2b) which communicates with a condenser (22) and an opening end of which is inside of a container (2a) and located at an upper position of the container (2a); and a second pipe (2c) which communicates with the refrigerant heat exchanger and an opening end of which is inside of the container (2a) and located at a lower position of the container (2a). A receiver of the first low temperature side refrigerating circuit includes: a first pipe which communicates with the refrigerant heat exchanger and an opening end of which is inside of a container and located at a lower position of the container; and a second pipe which communicates with an evaporator and an opening end of which is inside of the container and located at a lower position of the container. A pressure reduction passage for allowing the flow of a secondary refrigerant therethrough during a reverse cycle of refrigerant circulation alone is provided between the refrigerant heat exchanger and the receiver in the first low temperature side refrigerating circuit. The pressure reduction passage is provided with a shut-off valve smaller in diameter than the passage.