DESCRIPTION

TITLE

HEAT SOURCE UNIT AND REFRIGERATION APPARATUS

TECHNICAL FIELD

[0001]

The present disclosure relates to a heat source unit and a refrigeration apparatus.

BACKGROUND ART

[0002]

Patent Document 1 discloses a refrigeration apparatus including a heat source unit. This refrigeration apparatus performs a refrigeration cycle by circulating a refrigerant between the heat source unit and the utilization-side unit. In the refrigeration cycle performed by this refrigeration apparatus, the high pressure may be higher than the critical pressure of the refrigerant.

CITATION LIST

PATENT DOCUMENT

[0003]

Patent Document 1: Japanese Unexamined Patent Publication No. 2021-32512

SUMMARY OF THE INVENTION

TECHNICAL PROBLEM

[0004]

provided in parallel. The first switching flow path (31) of this example is provided with seven first on-off valves (V1). Each first branch flow path (31a) is provided with one first on-off valve (V1). The first on-off valves (V1) include a first switching expansion valve (91) and a first electromagnetic on-off valve (92). The number of the first switching expansion valves (91) is one, and the number of the first electromagnetic on-off valves (92) is six. The first switching expansion valve (91) is an electronic expansion valve of which the opening degree is variable.

[0086]

The second opening/closing mechanism (82) includes a plurality of second on-off valves (V2). The second switching flow path (32) is provided with two or more second on-off valves (V2) provided in parallel. The second switching flow path (32) of this example is provided with seven second on-off valves (V2). Each second branch flow path (32a) is provided with one second on-off valve (V2). The second on-off valves (V2) include a second switching expansion valve (93) and a second electromagnetic on-off valve (94). The number of the second switching expansion valves (93) is one, and the number of the second electromagnetic on-off valves (94) is six. The second switching expansion valve (93) is an electronic expansion valve of which the opening degree is variable.

[0087]

The third opening/closing mechanism (83) includes a plurality of third on-off valves (V3). The third switching flow path (33) is provided with two or more third on-off valves (V3) provided in parallel. The third switching flow path (33) of this example is provided with four third on-off valves (V3). Each third branch flow path (33a) is provided with one third on-off valve (V3). The third on-off valves (V3) are electromagnetic on-off valves.

[0088]

The fourth opening/closing mechanism (84) includes one fourth on-off valve (V4). The fourth switching flow path (34) is provided with the fourth on-off valve (V4). The fourth on-