

COLD AND HOT STORAGE

{Abstract}

A main body portion including a door on a front surface;

5 an inner tank arranged in the main body portion;

a temperature control heat sink including a base plate and a plurality of fins formed on one surface of the base plate having the other surface arranged along the rear surface in the inner tank;

10 a heater that heats the temperature control heat sink;

a temperature control fan arranged on the one surface of the temperature control heat sink and blows air in the inner tank to the fins of the temperature control heat sink;

a shielding plate that includes a plurality of through
15 holes and a temperature control fan facing portion facing the temperature control fan and shields an area where the temperature control heat sink is arranged in a state that air blowing outlets are formed vertically on both side portions of the inner tank;

20 a heat dissipation heat sink arranged outside the rear surface of the inner tank;

a heat dissipation fan that blows air outside the inner tank to the heat dissipation heat sink;

a Peltier module having a heat absorbing surface to be
25 connected to the temperature control heat sink and a heat dissipating surface to be connected to the heat dissipation

heat sink; and

a power control unit that supplies power to the heater
and the temperature control fan in a case of heating an
inside of the inner tank and to the temperature control fan,
5 the heat dissipation fan, and the Peltier module in a case
of cooling the inside of the inner tank are included.

Figure 6