Claims

[Claim 1]

A centrifugal chiller comprising:

a refrigerating cycle in which a compressor, a condenser, an expander, and an evaporator are connected by a refrigerant pipe, and a mildly flammable refrigerant is filled; and

a refrigerant detector which has a sensor unit that detects a refrigerant, and a main body portion that determines a leakage of a refrigerant on the basis of information from the sensor unit,

wherein auxiliary equipments in which the refrigerant flows and which are attached to the compressor, and joints of the refrigerant pipe are centralized in a predetermined location, and

only the sensor unit of the refrigerant detector is installed below the predetermined location, and the predetermined location is in the vicinity of the compressor.

[Claim 2]

The centrifugal chiller according to claim 1,

wherein the compressor is arranged such that a bottom surface of its housing is positioned above a top surface of a shell of the evaporator,

the predetermined location is a region in the vicinity of the compressor, and

the sensor unit is arranged at a height substantially the same as a bottom surface of the shell of the evaporator.