

Abstract

Provided is a turbo refrigerator that can assess leakage of mildly flammable refrigerant early and efficiently. The present invention comprises: a refrigeration cycle which is filled with a mildly flammable refrigerant and in which a compressor (10), a condenser (12), an inflator, and an evaporator (20) are connected by refrigerant piping; and a refrigerant detector that has a refrigerant-detecting sensor unit (72) and a body section that assesses leakage of the refrigerant on the basis of information from the sensor unit (72). Auxiliary equipments (30, 32) that circulate refrigerant and are attached to the compressor (10), and the refrigerant piping joints are consolidated at a prescribed location, and the sensor unit (72) is installed below the prescribed location.

Fig.4