

Abstract

The present invention improves the reliability of refrigeration apparatuses provided with vapor compression type refrigerant circuits from the standpoint of the pipe cleaning mode. The air conditioning system (1) is provided chiefly with a main refrigerant circuit –
5 which includes a compressor (21), a heat-source-side heat exchanger (24), and a user-side heat exchanger (52) – and a contaminant collecting device (27) provided on the intake side of the compressor (21). The contaminant collecting device (27) is equipped with a contaminant collecting container (31), an inlet pipe (32), an outlet pipe (33), and a main opening/closing device (34). The contaminant collecting container (31) is configured such
10 that it can separate contaminants from refrigerant flowing in the intake gas pipe (35) toward the compressor (21) when the refrigerant is directed through it. The inlet pipe (32) and outlet pipe (33) are each provided with a return preventing shape (32b, 33b) for preventing contaminants that have accumulated inside the pipes from returning to the intake gas pipe (35).

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