

ABSTRACT

A refrigeration apparatus (10) includes: a valve control means (33) configured to control the opening of an expansion valve (13); and opening degree detection means (32, 34) configured to perform, after a pump-down operation in which a compressor (11) is driven with the expansion valve (13) closed, an opening degree detection operation of detecting an opening degree that is an opening command value for use in changing the expansion valve (13) from a closed state to an open state, by determining whether the expansion valve (13) is open based on a change in state of low-pressure refrigerant between the expansion valve (13) and the suction side of the compressor (11), while gradually increasing the opening command value output to the expansion valve (13) with the compressor (11) deactivated. The valve control means (33) controls the expansion valve (13) using the opening degree detected in the opening degree detection operation.