

ABSTRACT

REFRIGERATION SYSTEM

A pressure regulating valve (71) is connected to the discharge side of a low stage compressor (55) to make the pressure in the suction side of high stage compressors (11, 12) lower than the pressure in a dome of the low stage compressor (55). Further, an oil return path (72) is connected to the dome of the low stage compressor (55) at one end and to the suction side of the high stage compressors (11, 12) by bypassing the pressure regulating valve (71) at the other end. With this configuration, refrigeration oil accumulated in the dome of the low stage compressor (55) is returned to the high stage compressors (11, 12).