

MULTICYLINDER ROTARY COMPRESSOR

ABSTRACT

A multicylinder rotary compressor is disclosed having a rotary compressing element (4) housed in a hermetic enclosure (1), and equipped with an intermediate partition plate (5), cylinders (6, 7) provided on both sides of the partition plate, a rotary shaft (2) having eccentric sections (8, 9) which are 180 degrees out of phase, rollers (10, 11) which are fitted onto the eccentric sections (8, 9) and which rotate in the cylinders (6, 7), and bearings (12, 13) which seal the openings of the cylinders (6, 7). The compressor also has first apertures (40, 41) in the inner walls of the two cylinders (6, 7), second apertures (42, 43) in the two cylinders (6, 7) which communicate with the first apertures (40, 41) and a third aperture (44) in the intermediate partition plate (5) communicating with the two second apertures (42, 43) so that gas compressed in one cylinder flows, via the first, second, and third apertures, into the other cylinder which is in an intake stroke.

Fig. 1.

This Sheet Has Been Replaced

