CLAIMS

1. A suction arrangement for a refrigeration compressor of the type which comprises:

- a hermetic shell carrying a suction-inlet tube provided with an outlet nozzle opened to the interior of the shell and through which a refrigerant-fluid flow, containing at least one of gaseous and liquid phases, is expelled to the interior of the shell;

- a cylinder block mounted in the interior of the shell ~~(10)~~ and defining a compression chamber with an end closed by a valve plate and by a head;

- a suction muffler mounted to the cylinder block and externally incorporating: an admission tube provided with an inlet nozzle turned to the suction-inlet tube; and an outlet tube in communication with the compression chamber, wherein the inlet nozzle of the admission tube is provided adjacent and external to the axial projection of the contour of the outlet nozzle of the suction-inlet tube and turned to any one of a direction (A), which is orthogonal to the axis of the axial projection of the contour of the outlet nozzle to a region of said axial projection which is positioned in front of the inlet nozzle and of a direction (B) inclined in relation to the axis of the axial projection of the contour of the outlet nozzle of the suction-inlet tube and to an inner region of the shell for admission of the refrigerant-fluid flow and which is defined between the outlet nozzle and the inlet nozzle

, the inlet nozzle admitting, under the conditions of underpressure in its interior, the gaseous phase, if existing in the refrigerant-fluid flow, whereas the liquid phase, if existing in the refrigerant-fluid flow, is directed to a region of the shell external to the inlet nozzle.

2. The suction arrangement, as set forth in claim 1, wherein the inlet nozzle of the admission tube has a contour tangent to the contour of the refrigerant-fluid flow.