Title (en)

SUCTION MUFFLER FOR A HERMETICALLY ENCAPSULATED REFRIGERANT COMPRESSOR

Title (de)

SAUGSCHALLDÄMPFER FÜR EINEN HERMETISCH GEKAPSELTEN KÄLTEMITTELVERDICHTER

Title (fr)

SILENCIEUX D'ASPIRATION POUR UN COMPRESSEUR FRIGORIFIQUE À ENCEINTE HERMÉTIQUE

Publication

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Application

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Abstract (en)

[origin: WO2016061597A2] The invention relates to a suction muffler (1) for a hermetically encapsulated refrigerant compressor (2), said suction muffler (1) comprising an inlet (3) in order to allow a coolant to be able to flow into the suction muffler (1), and an outlet (4) in order to allow a coolant to be able to flow out from the suction muffler (1), said suction muffler (1) also comprises at least two damping chambers (5, 6) for damping sound, said two damping chambers (5, 6) respectively comprising a base (8, 9). A wall element (11) is provided in order to separate said two damping chambers (5, 6) in the region of the base thereof (8, 9) for the coolant. The aim of the invention is to ensure that the damping chambers (5, 6) altogether are as gas-tight and soundproof as much as possible. According to the invention, at least one siphon section (16) connecting both bases is arranged in the region of the wall element (11), said siphon section being provided to receive oil (14) in an operating position of the suction muffler (1). The at least one siphon section (16) joins both damping chambers (5, 6) together for the oil (14) in a siphon-like manner.

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