

Secondary Piston Compressor

Abstract

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The secondary compressor has a crankcase (1), which is provided with a venting device. The latter includes an oil filter, which is constructed in the form of a superfine filter (5) and is arranged in a separate housing. The superfine filter (5) is in communication on the inlet side with an oil filler pipe (4) of the crankcase (1) via a conduit (3). It is connected on the outlet side to the atmosphere via an active carbon filter (9). On the inlet side, the superfine filter defines an oil collecting space (6), which is connected via a conduit (7) to the crankcase (1) with the interposition of a non-return valve (8). The non-return valve is held in its closed position by the pressure in the crankcase (1). When the secondary compressor is switched off, it opens and empties the oil collecting space of the superfine filter into the crankcase.

(Figure 1)