

Title (en)

PISTON PUMP FOR A HIGH-PRESSURE CLEANING DEVICE

Title (de)

KOLBENPUMPE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT

Title (fr)

POMPE À PISTON POUR DISPOSITIF DE NETTOYAGE HAUTE PRESSION

Publication

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Application

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Abstract (en)

[origin: WO2022117240A1] The invention relates to a piston pump (10) for a high-pressure cleaning device, comprising a pump housing (12) that has a first housing part (14) and a second housing part (16), each of which is designed as a metal part. The first housing part (14) forms a suction line (20) and a pressure line (22), and the second housing part (16) forms multiple pump chambers (24), into each of which a piston (26, 28) can be moved back and forth and each of which is fluidically connected to the suction line (20) via an inlet channel (32) and to the pressure line (22) via an outlet channel (34). The inlet channel (32) can be closed by an inlet valve (52), and the outlet channel (34) can be closed by an outlet valve (99). Each of the outlet valves (99) has an outlet valve seat (106) which is held in a stationary manner and an outlet valve closing body (114) which can be moved back and forth relative to the outlet valve seat and which has an outlet valve disc (116) that can be sealingly placed against an outlet valve seat (106). In order to develop the piston pump (10) so that the piston pump can be produced inexpensively, the second housing part (16) has a valve receiving area (42), into which all of the outlet channels (34) open, and the piston pump (10) has an outlet valve assembly (100) which forms all of the outlet valves (99), wherein the outlet valve assembly (100) has an outlet part (102) which consists of a plastic material and is inserted into the valve receiving area (42) and which forms all of the outlet valve seats (106).

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