

Title (en)
PILOT-OPERATED PRESSURE SHUT-OFF VALVE AND PILOT VALVE ASSEMBLY THEREFOR

Title (de)
VORGESTEUERTES DRUCKABSCHALTVENTIL UND VORSTEUERVENTILANORDNUNG DAFÜR

Title (fr)
SOUPAPE PILOTÉE DE COUPURE DE PRESSION ET ARRANGEMENT DE VALVE PILOTE

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Application
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Abstract (en)
[origin: WO0236967A2] The invention relates to a pilot-operated pressure shut-off valve with a main control piston (20), by means of which an inlet (12), which can introduce a pressure medium to a hydraulic system, is connected to a drain (13), on reaching an upper system limiting pressure and adopting a first switched position and is separated from said drain (13), on reaching a lower system limiting pressure and adopting a second switched position. The pressure shut-off valve has a pilot valve arrangement (11). On such a pressure shut-off valve, the pilot valve arrangement should be compact and of simple construction, in contrast to pilot valve arrangements on a pressure shut-off valve where the upper system pressure and the lower system pressure can not be set independently of each other and should be exchangeable and produced economically. According to the invention, the above is achieved, whereby both pilot pistons (44, 48), both pilot springs (45, 49) and both adjuster screws (78, 80) are arranged concentrically within each other, whereby both pilot pistons (44, 48) are mechanically adjustable completely separately from each other.

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