

Title (en)
VALVE FOR CONTROLLING LIQUIDS

Title (de)
VENTIL ZUM STEUERN VON FLÜSSIGKEITEN

Title (fr)
VANNE DE COMMANDE DE LIQUIDES

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Application
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Abstract (en)
[origin: WO0181754A1] The invention relates to a valve for controlling liquids, comprising an actuator unit (4) for activating an axially displaceable valve member (3) which has a first piston (9) and a second piston (11) that is separated from the first piston by a hydraulic chamber (13) and which activates a valve closing member (12) that separates a low-pressure area (16) with system pressure from a high-pressure area (17). For the purposes of compensating leakage, a filling device (24) which can be connected to the high-pressure area (17) is provided with a hollow space (25) in which a throttle body (26) is arranged in such a way that a line (33) leading to the high pressure area (17) opens into the hollow space (25) at one end of the throttle body (26) and at the other end, a system pressure line (28) leading to the hydraulic transmission branches off. The geometrical fixing of the throttle body (26), a gap (27) surrounding said throttle body and the dimensions of the piston (9) along which the system pressure is reduced up to the low pressure area (16) ensures that the system pressure (p sys) is built up in accordance with the pressure (p R) in the high pressure area (17).

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