

Title (en)
PRESSURE-MAINTAINING AND REGULATING VALVE

Title (de)
DRUCKHALTE- UND REGELVENTIL

Title (fr)
SOUPAPE DE MAINTIEN DE PRESSION ET DE RÉGULATION

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Application
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Abstract (en)
[origin: WO2017081249A1] The invention relates to a pressure-maintaining and regulating valve. The invention is characterised by a cylindrical valve housing (1) comprising an upper side (2), in which a central inlet bore (3) having diameter d1 is provided, and comprising an underside (4), in which an inner bore (5) is provided, the diameter d2 of which is greater than the diameter of the inlet bore (3) and which forms an outlet of the pressure-maintaining and regulating valve, a closing piston (8) comprising an upper part (9), the diameter d3 of which is smaller than the diameter d2 of the inner bore (5) and greater than the diameter d1 of the inlet bore (3), a freely moving, circular sealing disc (7) made from an elastomer, between the closing piston (8) and an inner sealing surface (6) which is formed between the inner bore (5) and the inlet bore (3) on an inner side of the valve housing (1), and by a compression spring (12) which is supported in the inner bore (5) and presses the sealing disc (7) against the inner sealing surface (6) via the closing piston (8).

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