

Title (en)
PRESSURE VALVE

Title (de)
DRUCKVENTIL

Title (fr)
SOUPAPE DE PRESSION

Publication
EP 0817914 B1 20020220 (DE)

Application
EP 96945711 A 19961107

Priority
• DE 9602116 W 19961107
• DE 19602906 A 19960127

Abstract (en)
[origin: DE19602906A1] Proposed is a pressure valve for installation in a supply line between a high-pressure chamber and an injection point, the valve having a length of pressure pipe (3) with a cylindrical cavity (5) in which a valve member (15) is fitted so that it can move longitudinally. The valve member has a sealing surface (29) operating in conjunction with a fixed valve seat (27) to control the cross-sectional area of the flow passage, the valve member being lifted off the seat, against the action of a spring (23), by the pressure acting in the direction of flow (1) in the supply line. Fitted in the valve member (15) is a return-flow throttle channel which equalizes the pressure when the valve is closed. In order to ensure precise setting of the control of the maximum flow-passage area by the pressure valve, the opening stroke of the valve member takes place in two stages, the valve member being controlled abruptly to move to the maximum flow-passage area position after moving a given distance through its stroke.

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F02M 59/46

IPC 8 full level
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F02M 59/46 (2013.01 - KR); **F02M 59/462** (2013.01 - EP)

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