

Title (en)
PRESSURE RELIEF DEVICE

Title (de)
DRUCKENTLASTUNGSVORRICHTUNG

Title (fr)
LIMITEUR DE PRESSION

Publication
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Application
EP 06764780 A 20060613

Priority
• FR 2006001331 W 20060613
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Abstract (en)
[origin: WO2006134264A1] The inventive pressure relief device (27) is used in a high-pressure fluid circuit for limiting the pressure in the case of a failure of a circuit component and comprises a body (4) and a pusher (3) sliding therein and axially movable by return means (5) in such a way that it drives sealing means (2) of an orifice (9) connecting an upstream chamber (7) receiving a high-pressure fluid and a downstream chamber (10) which is delimited by the body (4), the side of the pusher (3) and the perforated wall of said orifice (9), wherein said downstream chamber (10) comprises at least one fluid discharge opening (12, 12') and the sealing means (2) held by the return means (5) in the position closing the orifice (9) bellow a predetermine pressure threshold in the upstream chamber (7). The pusher (3) devoid of axial through channels slides in the body (4) with a small running clearance and the size thereof is selected in such a way that it makes it possible to close at least partially each discharge opening (12, 12'), at least one of which is connected to an opening (15) also embodied in the body (4) and open at least partially to the opposite side of the pusher (3).

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Citation (search report)
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