

Title (en)

RESIDUAL PRESSURE VALVE DEVICE, VALVE AND CYLINDER HAVING SUCH A DEVICE

Title (de)

RESTDRUCKVENTILVORRICHTUNG, VENTIL UND ZYLINDER MIT EINER SOLCHEN VORRICHTUNG

Title (fr)

DISPOSITIF DE CLAPET DE PRESSION RÉSIDUELLE, ROBINET ET BOUTEILLE COMPORTANT UN TEL DISPOSITIF

Publication

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Application

EP 13782772 A 20131001

Priority

- FR 1259299 A 20121002
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Abstract (en)

[origin: WO2014053764A1] The invention relates to a residual pressure valve device comprising a shut-off member (1) that is able to move in the body (9) relative to a seat (2), a return member (5) that urges the shut-off member (1) by default towards the seat (2), the shut-off member (1) comprising an internal duct (6) having a first end in communication with the gas inlet (3) and a second end that leads, via a calibrated orifice (8), into a control chamber (7) that is closed by the shut-off member (1) such that, when the gas pressure in the control chamber (7) reaches a predetermined threshold, this pressure causes the shut-off member (1) to move away from the seat (2), the body of the shut-off member (1) comprising a first portion (11) that forms a male element which is able to move in translation in a female passage of the body (9) with a predetermined fit forming a restriction ensuring partial and progressive opening of the passage for the gas between the inlet (3) and the outlet (4).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014053764A1

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