

Title (en)
GAS INJECTION VALVE WITH TWO POSITIONS OF CLOSURE

Title (de)
GASEINLASSVENTIL MIT ZWEI VERSCHLUSSPOSITIONEN

Title (fr)
VALVE DE CHARGE EN GAZ A DEUX POSITIONS DE FERMETURE

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Application
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Abstract (en)
[origin: WO2007082729A1] Gas, especially carbon dioxide gas, injection valve comprising a seat (1) pierced by a channel (3), a pin (5) able to move inside the channel (3) against the compression of a return spring (7) bearing on the seat, and an elastomer seal (9) compressed between the seat (1) and the pin (5) to close the channel (3) when the pin (5) is moved to a first or low-pressure position of closure. In the invention, a thermoplastic seal (11) is mounted on the seat (1) or on the pin (5) to close the channel (3) when the thermoplastic seal (11) is compressed between the seat (1) and the pin (5) in a second or high pressure position of closure, against a supplementary compression of the elastomer seal (9).

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