

Title (en)
FUEL NOZZLE WITH OUTFLOW PROTECTION DEVICE

Title (de)
ZAPFVENTIL MIT AUSLAUFSCHUTZEINRICHTUNG

Title (fr)
PISTOLET DE DISTRIBUTION DOTÉ D'UN DISPOSITIF DE PROTECTION CONTRE LES FUITES

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Abstract (en)
[origin: WO2021104961A1] The invention relates to a filling valve for dispensing a fluid, comprising an inlet opening for connecting to a fluid supply line, an outlet end (12) which lies opposite the inlet opening, a main valve for controlling the flow of the fluid through the filling valve, and a leakage protection valve (13) which is arranged downstream of the main valve, comprising a valve seat (14) and a valve body (15, 16) which can be moved into a closed position in an upstream direction. According to the invention, the valve body (15, 16) has a first sub-body (15) and a second sub-body (16) which is designed to be movable relative to the first sub-body, wherein a first fluid path (17) can be released by a movement of the first sub-body (15) in a downstream direction relative to the valve seat (14), and a second fluid path (18) can be released by a movement of the second sub-body (16) in a downstream direction relative to the first sub-body (15). By virtue of the two-part valve body according to the invention, the flow of fluid through the filling valve can be optimized and the back pressure accumulating in front of the leakage protection valve can be reduced.

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