

Title (en)
METERING VALVE

Title (de)
DOSIERVENTIL

Title (fr)
VALVE DOSEUSE

Publication
EP 4222074 A1 20230809 (FR)

Application
EP 21798423 A 20211001

Priority
• FR 2010102 A 20201002
• FR 2021051700 W 20211001

Abstract (en)
[origin: WO2022069843A1] Disclosed is a metering valve for dispensing a fluid product, comprising a valve body (10) containing a metering chamber (20), said metering chamber (20) being defined by a chamber insert (40) and two annular seals, a top seal (21) and a bottom seal (22), wherein the chamber insert (40) has a cylindrical wall (49) of which an upper edge (41) cooperates with the top seal (21) and a lower edge (43) cooperates with the bottom seal (22), wherein a valve shut-off element (30) slides axially in the valve body (10) between a neutral position and a dispensing position in order selectively to dispense the contents of the metering chamber (20), wherein the valve shut-off element (30) is urged towards its neutral position by a spring (8) cooperating on the one hand with the valve body (10) and on the other hand with the valve shut-off element (30), wherein the lower edge (43) of the chamber insert (40) forms a flange which extends radially inwards from the cylindrical wall (49), wherein the lower edge (43) comprises at least one axial projection (48) projecting axially downwards, and wherein the bottom seal (22) comprises at least one axial opening (225), each axial opening (225) accepting a respective axial projection (45) and each axial projection (45) passing completely through the respective axial opening (225) so that the neutral position of the valve shut-off element (30) is defined by contact between the at least one axial projection (45) of the chamber insert (40) and a part (321) of the valve shut-off element (30).

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KH MA MD TN

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