

Title (en)
METERING VALVE HAVING AN IMPROVED METERING CHAMBER

Title (de)
DOSIERVENTIL MIT VERBESSERTER DOSIERKAMMER

Title (fr)
VALVE DOSEUSE AVEC CHAMBRE DE DOSAGE AMÉLIORÉE

Publication
EP 4100338 A1 20221214 (FR)

Application
EP 21708277 A 20210205

Priority
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Abstract (en)
[origin: WO2021156580A1] 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 O-rings, a valve seal (21) and a chamber seal (22), said chamber insert (40) comprising a cylindrical wall (49), an upper edge (41) that cooperates with said valve seal (21) and a lower edge (43) that cooperates with said chamber seal (22), a valve (30) sliding axially in said valve body (10) between a rest position and a dispensing position, so as to selectively dispense the contents of said metering chamber (20), said valve (30) being urged towards its rest position by a spring (8) that cooperates on one hand with said valve body (10) and on the other hand with said valve (30), said upper edge (41) of said chamber insert (40) comprising an annular cutout (45) formed on the radially inner side of said upper edge (41), in such a way that the width of said upper edge (41) in contact with said valve seal (21) is always the same, whatever the width of said cylindrical wall (49). Figure to be published: figure 1

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