

Title (en)
PRESSURE RELIEF ONE-WAY VALVE, HERMETIC CONTAINER AND METHOD TO MANUFACTURE A PRESSURE RELIEF ONE-WAY VALVE

Title (de)
DRUCKENTLASTUNGSEINWEGVENTIL, LUFTDICHTER BEHÄLTER UND VERFAHREN ZUR HERSTELLUNG EINES
DRUCKENTLASTUNGSEINWEGVENTILS

Title (fr)
VALVE UNIDIRECTIONNELLE DE SURPRESSION, CONTENANT HERMÉTIQUE ET PROCÉDÉ DE FABRICATION D'UNE VALVE
UNIDIRECTIONNELLE DE SURPRESSION

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Application
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Abstract (en)
[origin: WO2015052650A1] The present invention relates to pressure relief one-way valves for hermetic packaging. A pressure relief one-way valve for hermetic packaging is provided, comprising a valve body (A), a valve cap (B) and a valve membrane (C), wherein the valve body (A) comprises a base (13) comprising a sealing seat (11) for the valve membrane (C) and one or more holes (6) adapted to let the gas flow through the valve (1), wherein the valve cap (B) is housed in the valve body (A) and comprises a pressure relief one-way opening (4) wherein the valve membrane (C) is flexible and is placed between the valve body (A) and the valve cap (B) in the sealing seat (11). The pressure relief one-way valve is such that the valve cap (B) comprises a first rib (2) placed laterally with respect to the pressure relief opening (4) in order to keep the valve membrane (C) in the sealing seat (11) so that the valve membrane (C) can lift, during the pressure relief operation, only on one side and so that the portion of the valve membrane (C) free to lift has a length (L, L') equal to or less than the distance between the first rib (2) and the non-fixed end (12) of the valve membrane (C). A hermetic container and a method for manufacturing a pressure relief one-way valve (1) are also shown.

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