Title (en)

SLOTTED CLOSING VALVE FOR OPENINGS OF CONTAINERS

Title (de)

SCHLITZSCHLIESSVENTIL FÜR BEHÄLTERÖFFNUNGEN

Title (fr)

CLAPET DE FERMETURE A FENTE POUR OUVERTURES DE RECIPIENTS

Publication

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Application

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Abstract (en)

[origin: CA2336552A1] The invention relates to a slotted closing valve for openings of containers or the like comprising a membrane part (2) which is made of a flexible material and which contains at least one unidirectionally aligned slotted outlet opening (5). The inventive slotted closing valve also comprises a base part (1) which surrounds the membrane part on the outer periphery thereof and whi ch is connected to said membrane part. The outlet opening is held in a closing position due to the elastic property of the material. However, it can be moved, under a defined differential overpressure which acts upon one side of the membrane part, against the pretensioning force of the elastic material into an opening position. A peripheral wall area (6) of the base part and an adjacent wall area (3) of the membrane part form an acute angle .alpha. together. In the membrane wall area, at least one additional slotted continuous opening (8) is provided in the vicinity of the base part. Said additional slotted continuous opening is aligned in an essentially periphera l manner, is held in a closing position due to the elastic property of the material, and can be moved into a releasing position under a differential lo w pressure exerted on the membrane part by the side that can be subjected to t he action of the defined differential overpressure. As a result, the valve enables an equalization of pressure between the inner and the outer surroundings of a container, thus having a favorable effect on the restoring ability of the container after the container wall has been compressed by han d in order to empty the contents of the container.

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