

Title (en)

VALVE FOR THE CLOCKED FILLING OF PRODUCTS FROM A STORAGE TANK TO A PACKAGING CONTAINER

Title (de)

VENTIL ZUM TAKTWEISEN ABFÜLLEN VON PRODUKTEN AUS EINEM VORRATSBEHÄLTER IN VERPACKUNGSBEHÄLTER

Title (fr)

SOUPAPE POUR LE TRANSVASEMENT EN CADENCE DE PRODUITS D'UN RECIPIENT D'ALIMENTATION DANS DES RECIPIENTS D'EMBALLAGE

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Application

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Abstract (en)

[origin: WO2005066527A1] The invention relates to a valve for the clocked filling of liquid to flowing-pasty products from a storage tank (1) to a packaging container. Said products are transported in a correspondingly clocked manner via the filling station of a packaging machine. Said valve comprises a product conveyor path which extends from the storage tank (1) through a dosing pump (2) to an output mouth piece (3) and said product conveyor path is provided with a closing and opening valve (V) which can be adjusted in a clocked manner. Said valve is formed by a slider (8) which can be displaced in a sealed manner between plates (6,7) and the plates (6,7) contain channels (9, 10) which are aligned in relation to each other from the dosing pump (2) to the mouth piece (3). A product transport channel (11) which leads in a direction flowing against the slider (8), which is provided with a through channel (13), is arranged in the plate (6) located on the pump side, and a transversal groove (12), whose opening is counter to the upper plate (6), is arranged on the pump side of the slider (8) and has a length (L) which corresponds to the distance between the transport channel (11) and the outgoing channel to the channel (9) of the dosing pump (2). According to the invention, the through channel (13), whose opening is counter to the lower plate (7), is located on an end of the transversal groove (12), and the opening of said channel runs from the bottom (12') of the groove. Said transversal groove (12) can be placed on the through channel thereof (13) in an alternating manner on the mouth (11') of the product transport channel (11) and the channel (9) running from the dosing pump (2).

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