FILLING CONNECTOR, CORRESPONDING CONTAINER AND CORRESPONDING FILLING METHOD

ABSTRACT

Filling connector comprising an isolation valve element (7) able to move relative to a seat (8) between un upstream closed position and a downstream open position, said isolation valve element (7) being urged into its upstream position by a return member (9), the connector (1) further comprising a dust valve element (10) positioned upstream of the isolation valve element (7), said dust valve element (10) comprising a downstream end (101) and being able to move relative to the body (2) between an upstream closed position and a downstream open position, said dust valve element (10) being urged into its upstream position by a return member (14), characterized in that the dust valve element (10) is able to be moved selectively downstream either into a determined first downstream position that opens the upstream end (3), in which position the downstream end (101) of the dust valve element (10) does not press on the upstream end (107) of the isolation valve element (7), or into a determined second downstream position that opens the upstream end (3), in which position the downstream end (101) of the dust valve element (10) comes to press against an upstream end (107) of the isolation valve element (7) that can move in order, through contact, to move the isolation valve element (7) into its downstream open position, and in that the dust valve element (10) comprises one or more passages (103) for guiding at least some of the flow of fluid passing from upstream (3) to downstream (4) through the body of said dust valve element (10).

(Figure 2)