

Packaging device, assembly comprising such a device and a container, use thereof and a method for filling or withdrawing

Abstract

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Conditioning device intended for engaging with a filling and/or tapping connector of a pressurized-fluid container cock, the conditioning device comprising a body (5) bearing at least one coupling member (2) arranged about a longitudinal axis (A), the central space situated between the at least one coupling member (2) and the longitudinal axis (A) forming a housing intended to accommodate a filling connector (1) of cylindrical general shape, the at least one coupling member (2) being movable between a moved-away position to allow the introduction of a connector (1) into the central space or the exit of a connector (1) from the central space, and a moved-in position to ensure coupling of the at least one coupling member (2) with the filling connector (1), the conditioning device comprising a locking member (3) which is movable with respect to the body (5) and with respect to the coupling member or members (2) between a first active position blocking the at least one coupling member (2) in the moved-in position, and a second inactive position allowing the movement of the at least one coupling member (2) towards the moved-away position, the conditioning device comprising a valve pusher (11) which is movable in a gas transfer duct (7) along the longitudinal axis (A) in order to actuate the opening of at least one valve (19) of a filling connector (1), the conditioning device additionally comprising a blocking member (4), the blocking member (4) being movable in a direction parallel to the longitudinal axis (A) between a first upstream position preventing the movement of the at least one coupling member (2) from its moved-away position towards its moved-in position, and a second downstream position allowing the movement of the at least one coupling member (2) from the moved-away position

towards the moved-in position, the blocking member (4) being urged by default towards its first working position by a return member (6, 66), the blocking member (4) comprising an upstream face (14) intended to come into contact with a terminal end of a filling connector (1), the blocking member (4) being movable from its first position towards its second position during a pushing force of the filling connector (1) on its upstream face when said filling connector (1) penetrates into the central space of the conditioning device, characterized in that the upstream face of the blocking member (4) comprises a tightness seal (24) arranged about the longitudinal axis (A) to form sealing between the gas transfer duct (7) and an internal circuit of a filling connector (1).

Figure 1