

CLOSURE DEVICE FOR THE VACUUM-TIGHT CLOSURE OF AN OPENING IN A WALL

ABSTRACT

A closure device for the vacuum-tight closure of an opening (4) in a wall (6) comprises a closure element (1), at least one rod (2) that projects out of a housing (8) of the closure device and that, outside the housing (8), supports the closure element (1) and that is rigidly connected to a carrier piece (14), a transmission unit (18) which, by way of a drive (15), is adjustable parallel to the longitudinal adjustment direction (9) between an initial position, in which the closure element (1) assumes the open position, a middle position, in which the closure element (1) assumes the intermediate position, and an end position, in which the closure element (1) assumes the closed position, at least one spring (25) which is arranged between the transmission unit (18) on the carrier piece (14), and a stop device which, during the adjustment of the transmission unit (18) from the middle position into the end position, blocks a further adjustment of the carrier piece (14) parallel to the longitudinal adjustment direction (9). The transmission unit (18) is guided by at least one longitudinal linear guide (19) so as to be displaceable relative to the housing (8) parallel to a longitudinal adjustment direction (9), and the carrier piece (14) is guided by at least one oblique linear guide (20) so as to be displaceable relative to the transmission unit (18) parallel to an oblique adjustment direction (21). (Figure 28)