

VALVE FOR THE SUBSTANTIALLY GAS-TIGHT INTERRUPTION
OF A FLOW PATH

Abstract

The invention relates to a valve for the gastight interruption of a flow path (F). In a valve housing (1) is disposed a first opening (3), having a geometric opening axis (4) and a valve seat (5). A valve disk (8) possesses an outer disk portion (9) and an inner disk portion (11), which is linearly movable relative to the outer disk portion (9) so that, in a closed setting (C), a pressure differential at the valve disk (8) acts substantially upon the movable inner disk portion (11) and the inner disk portion (11) is supported on the valve housing (1). According to the invention, the valve seat (5) has a radially inward pointing first inner face (14) and the outer disk portion (9) has a radially outward pointing first outer face (15), which is arranged and configured such that in the closed setting (C) there exists a radial sealing contact with the first inner face (14). The outer disk portion (9) has a radially inward pointing second inner face (16) and the inner disk portion (11) has a radially outward pointing second outer face (17), which is arranged and configured such that there exists a radially sealing contact with the second inner face (16).

Fig. 2