

VALVE

Abstract

A valve comprises a valve body (200), a valve plate(420), and an actuation mechanism(100), wherein the valve body (200) includes two plates (211, 212) which are parallel to each other and symmetrical and on which medium access holes are correspondingly opened; sealing rings a (311, 312) are symmetrically provided on inner surfaces of the two plates (211, 212) of the valve body, and the medium access holes on the two plates (211, 212) of the valve body are completely located within circumferentially closed holes of the sealing rings a (311, 312); the valve plate (420) has a smooth surface and is tightly sandwiched between the sealing rings a (311, 312) when the valve is closed; a fastening structure is installed on the two plates (211, 212) of the valve body (200) and clamps the two plates (211, 212) of the valve body (200) and/or the sealing rings a (311, 312) around radial peripheries of the sealing rings a (311, 312); and at least a part of the fastening structure can adjust its clamping degree in a direction perpendicular to a surface of the valve body (200). The valve realizes convenient and timely adjustment of the pressing force of each corresponding part of the sealing ring outside the valve and replacement of the sealing ring outside the valve through

a simple and reasonable structural design. The valve has no internal leakage and can replace a wide range of existing valves.

Fig. 1