

ABSTRACT

WAFER-SHAPED PILOT-TYPE VALVE

In a pilot-type valve, a valve box enclosing a main valve is flangeless, and the valve box is arranged in a state sandwiched between pipe flanges.

In this pilot-type valve that uses a pilot valve to control a driving force required to operate a main valve 2 to open and close the main valve 2, a valve box 6 enclosing the main valve 2 is sandwiched between pipe flanges F, F1 tightened to each other with bolts B, B1, ...and nuts N, N1, In addition, the valve box 6 is flangeless at its connection end portions 11, 12 for connection with the pipe flanges F, F1 and having an inlet and outlet 7 and 8 for a pressurized fluid respectively. A cover flange neck 18 extended upward from the valve box 6 is restricted only at sites on its wide walls corresponding to the bolts B, B1 extended between the pipe flanges F, F1 and adjacent to each other on the circumferences of the pipe flanges F, F1, so that the cover flange neck 18 can be passed through the interval between the bolts B, B1 at this restricted portion.