

ABSTRACT

An object of the invention is to provide a valve device and the like including an inner disk that can be easily assembled, in which a Cv value is guaranteed and the inner disk is provided under a lower risk of being damaged. The valve device includes a valve body 10 including first flow path 11, 12 and a valve chamber 13; an inner disk 20 including an inner side annular portion 22 that is disposed in a periphery of a first opening 15, an outer side annular portion 21, and a connection portion 23; a diaphragm 33 coming into contact with and separated from an annular upper side seat 26 provided at an upper end portion of the inner side annular portion 22 to cause interruption and communication between the flow paths, the diaphragm having a lower surface that comes into contact with an upper surface of the outer side annular portion 21, the diaphragm having an upper surface circumference edge portion pressed downwardly by a press adapter 30 to make the diaphragm disposed under pressure; and an annular lower side seat that is provided at a lower end portion of the inner side annular portion 22 and comes into close contact with a valve chamber bottom surface that is a bottom surface of the valve chamber 13, in which an upwardly protruding annular valve chamber bottom surface protruding portion 14a comes into close contact with a part of a lower side seat lower end surface 25a that is a lower end surface of the lower side seat 25.