

ABSTRACT

DIAPHRAGM VALVE

A diaphragm valve configured to allow for adjustment of a Cv value during assembly of the diaphragm valve is provided. A valve body (2), a diaphragm (2f), an actuator (4), a bonnet (3), a stem (8), and a diaphragm holder (7) are provided, the bonnet (3) includes a through hole (3e) coaxial with the stem (8) and formed with a female thread (3d), the cylindrical body (5) formed with a male thread (5a) on an outer surface is screwed into the through hole (3e) in engagement with the female thread (3d), the stem (8) is inserted into the cylindrical body (5), a diaphragm (2f)-side end surface of the cylindrical body (5) protrudes from an opening surface of the through hole (5b) on the diaphragm (2f) side toward a diaphragm (2f), a stem (8)-side end surface of the diaphragm holder (7) comes into abutment with the diaphragm (2f)-side end surface of the cylindrical body (5), so that a position of the abutted surfaces in an axial direction of the stem is adjusted by a degree of adjustment between the male thread (5a) and the female thread (3d).

FIG. 1