

[ABSTRACT]

An actuator and a valve device capable of suppressing the deterioration in the sealing property of the O-ring even if used in a high-temperature environment for a long period of time are provided.

An actuator 3 includes a bonnet 5 and an actuator cap 6 including a first pressing portion (a protruding portion 5F, a lower end portion 6A1, an inner step portion 6F), a stem 8 and a piston 9 including a second pressing portion (an upper end portion 8C, an outer end portion 9B3, an outer step portion 9D) and driven by an operating fluid flowing from outside, and ring-shaped O-rings 4A to 4C sealing a pressure chamber. The first pressing portion and the second pressing portion face each other in a moving direction of the piston 9. The O-rings 4A to 4C are positioned between the first pressing portion and the second pressing portion. The second pressing portion moves toward and away from the first pressing portion as the piston 9 moves. When the second pressing portion is positioned close to the first pressing portion, the O-rings 4A to 4C are configured to be sandwiched between the first pressing portion and the second pressing portion.

FIG. 1