

ABSTRACT

FLUID CONTROL DEVICE

The present invention is to provide a fluid control device with which processes of designing, manufacturing, and managing a fluid control body are simplified to suppress cost of manufacturing, etc., and desired control properties are provided. In a fluid control device including a fluid control body 10 that controls a fluid in a pipe, the fluid control body being installed in a sealed manner inside a casing 2 which is externally fitted onto a fluid pipe 1 in a sealed manner at a point where part of the fluid pipe 1 is cut off in an uninterrupted flow state, the fluid control body 10 includes an on-off valve 11 formed by a valve seat body 12 which includes an opening portion 12a and a valve element 13 which is provided in the valve seat body 12 in such a manner that the opening portion 12a is openable and closable, and a partition body 15 formed by a wall portion 16 that is provided with a through hole 16a communicating with the opening portion 12a, the wall portion being mounted on the valve seat body 12 in a sealed manner, and a lid portion 17 which is provided continuously to the wall portion 16, the lid portion covering an opening side of the casing 2, the partition body including a seal component 19 that seals a gap between an inner surface of the casing 2 and the partition body 15.

FIG. 3