Claims

1. A substrate storage container, comprising:

a container body (2) capable of containing a plurality of substrates (W), and

at least one air supply member (50) capable of supplying gas (G) from outside of the container body (2) to an internal space,

wherein for the substrate storage container the container body (2) is formed in a front open box and the at least one air supply member (50) is attached to a bottom surface,

wherein at least one offset member (9) is provided fixedly in an attachment hole (29) formed in the bottom surface of the container body (2),

wherein the at least one offset member (9) includes a flow passage between an offset plate presser (90) attached in the attachment hole (29) from inside of the container body (2) and an offset plate (95) attached in the attachment hole (29) from outside of the container body (2), through which the gas (G) flows along the bottom surface of the container body (2),

wherein at least one functional unit (U) that changes an environment of the internal space to different states is connected with the at least one air supply member (50) so as to be able to be exchanged,

wherein the at least one functional unit (U) is a valve unit (U1) including a check valve (110) that enables the gas (G) to flow into the internal space,

wherein the valve unit (U1) includes a valve housing (112) having two flanges (114) on an outer surface of the valve unit (U1), and a coil spring (111) that biases the check valve (110) against a valve seat (113) of the valve housing (112), and

wherein the valve unit (U1) is fitted and locked in an insertion hole (96) formed in the offset plate presser (90) such that the two flanges sandwich the offset plate presser (90).

2. The substrate storage container according to Claim 1, wherein the at least one air supply member (50) has a filter member (130) that filters a gas (G).

3. The substrate storage container according to Claim 1 or 2, wherein the at least one air supply member (50) has a check valve (52).

4. The substrate storage container according to any one of Claims 1 to 3, wherein the valve housing (112) is formed of an elastic material.

5. The substrate storage container according to any one of Claims 1 to 4, wherein the gas (G) is nitrogen gas or dry air.