

ABSTRACT

VACUUM BREAKER

By forming intake holes capable of greatly increasing the intake amount, at inhibition of airtightness of the check valve, even when a negative pressure exceeding -5 kPa occurs on a primary side, back flow can be sufficiently prevented. A vacuum breaker includes a tuboid valve box 1 including an inflow port 4 provided in an upper end surface 1a, an outflow port 5 provided in a lower end surface 1b, and a plurality of intake holes 6 provided on a circumference of a concentric circle of the outflow port 5 at regular intervals; and in the valve box 1, a check valve 2 detachably arranged in an anti-back flow valve seat 9 provided around the inflow port 4; and an annular disc-like inlet valve 3 detachably arranged in a concentric double circle-like intake valve seat 8 surrounding inner ports 6b of all of the intake holes 6, the inlet valve being biased in a seated direction in the intake valve seat 8, and an outer port 6a of each of the intake holes 6 extends at a predetermined angle.

Fig. 1