The greater the steam pressure variation, the more a float-type trap is needed

In situations where steam pressure can drop from maximum to vacuum, the float-type trap is the best choice for energy savings. When continuous drainage and high air discharge are required, this product shows superior performance, reliability, and extended service life. With separate condensate and air discharge valves, this product continuously drains condensate and discharges air even at zero pressure.

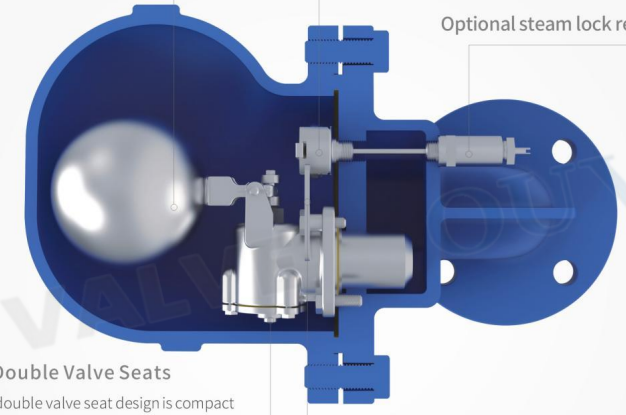
Corrosion Resistance

The high-strength float lever amplification device reduces the effort needed to open and close the valve and controls the opening angle. The float is made of corrosion-resistant stainless steel, ensuring durability and reliability in operation.

High air and carbon dioxide discharge capacity

Even at very low pressures, the built-in thermostatic air vent discharges air and carbon dioxide through a separate outlet. Increased cold condensate discharge at startup.

Optional steam lock release device



Balanced Double Valve Seats

The balanced double valve seat design is compact with a high discharge capacity. The high-precision stainless steel valve seat is wear-resistant and corrosion -resistant, always remaining in a "water-sealed" state with no steam leakage.

Impact-Resistant Design

Anti-Erosion Baffle in the valve body prevents steam flow from impacting the float.

Resistant to back pressure

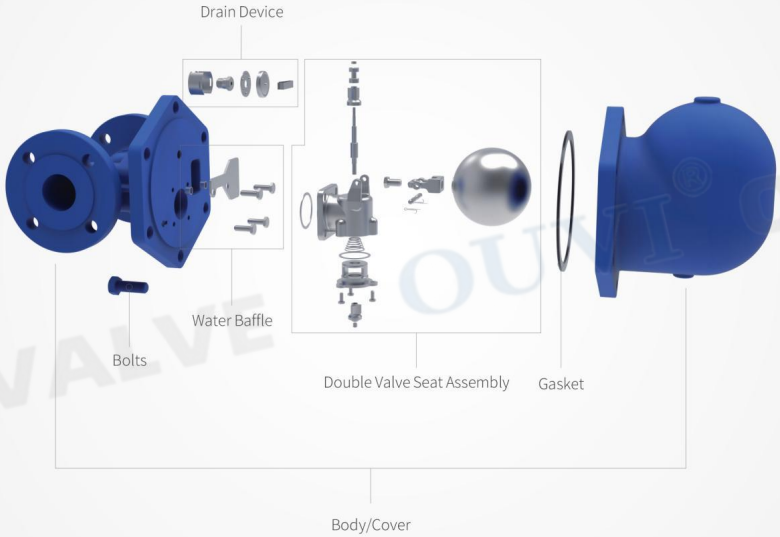
The operation of the trap is controlled solely by the condensate level within the valve. As long as there is a differential pressure, it forces condensate out through the discharge nozzle, and pressure in the return line does not hinder the normal operation of trap.

Long service life, high reliability

All valve flaps are made of stainless steel, with the valve seats of traps with diameters above DN40 undergoing heat treatment. Durable float mechanism with excellent wear resistance. Stainless steel float withstands extremely high pressures and resists water hammer.

Continuous Drainage Performance

No pressure fluctuation caused by intermittent drainage; the temperature of condensate discharge is very close to steam temperature.



The balanced double valve seat assembly

The balanced double valve seat lever float steam trap adopts a new "fully balanced double valve seat" design with the upper valve seat hole diameter equal to the outer diameter of the lower valve core. This ensures equal pressure-bearing areas for the upper and lower valve cores. As a result, the forces produced during the opening and closing of the upper and lower double valve seat holes are equal but opposite in direction, canceling each other out to achieve a zero-pressure difference. This reduces the opening and closing force, improving the performance, sensitivity, and reliability of the valve. The design is compact, pressure-balanced, small in size, with large discharge capacity, smooth and stable operation, high sensitivity, long service life, and is resistant to high temperatures and pressures.