

Burette

Bürette

Georg-August-Universität Göttingen

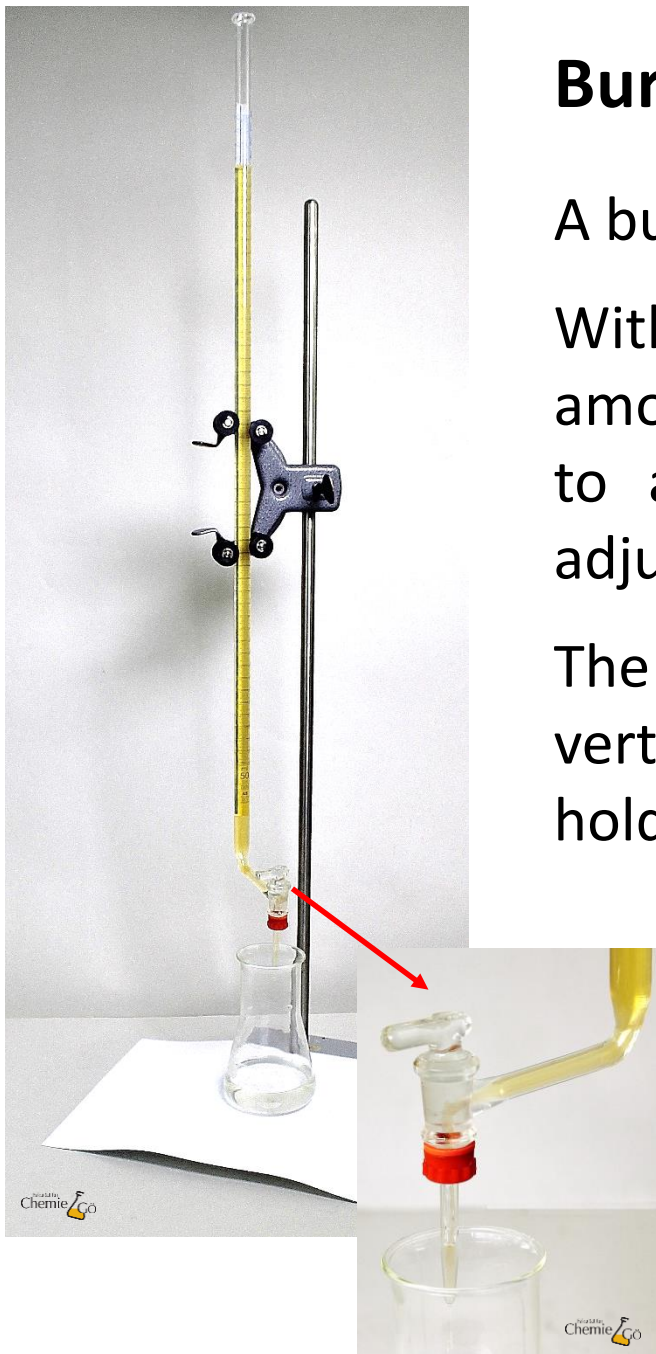


Burette

A burette is used for a titration.

With the help of the burette an exact amount of analytical solution can be added to a sample solution. The dose can be adjusted by turning the valve.

The burette must always be clamped vertically, ideally with the help of a burette holder.





In order to fill a burette with the analytical solution, the valve must first be closed.

It must be made sure that there are no bubbles in the burette.

The burette is filled with the help of a funnel until the analytical solution is above the scale. Subsequently, the analytical solution is released by opening the valve until the level reaches the scale value „0“ (zero).



It is decisive to accurately read off the volume of the analytical solution during the titration.

To help with this, a colored stripe (Schellbach stripe) is situated at the back of the burette.

Through light refraction there is a constriction of the Schellbach stripe at the lower end of the meniscus and two peaks become visible in whose center the level of the analytical solution is read off.





Furthermore, it is important to make sure that one's eye level is on the height of the fluid level when reading it off to guarantee a horizontal and correct read.

If the analytical solution is not clear and the constriction of the Shellbach stripe not visible, the volume is read off at the highest point of the liquid meniscus.