

Gas Burner

Gasbrenner

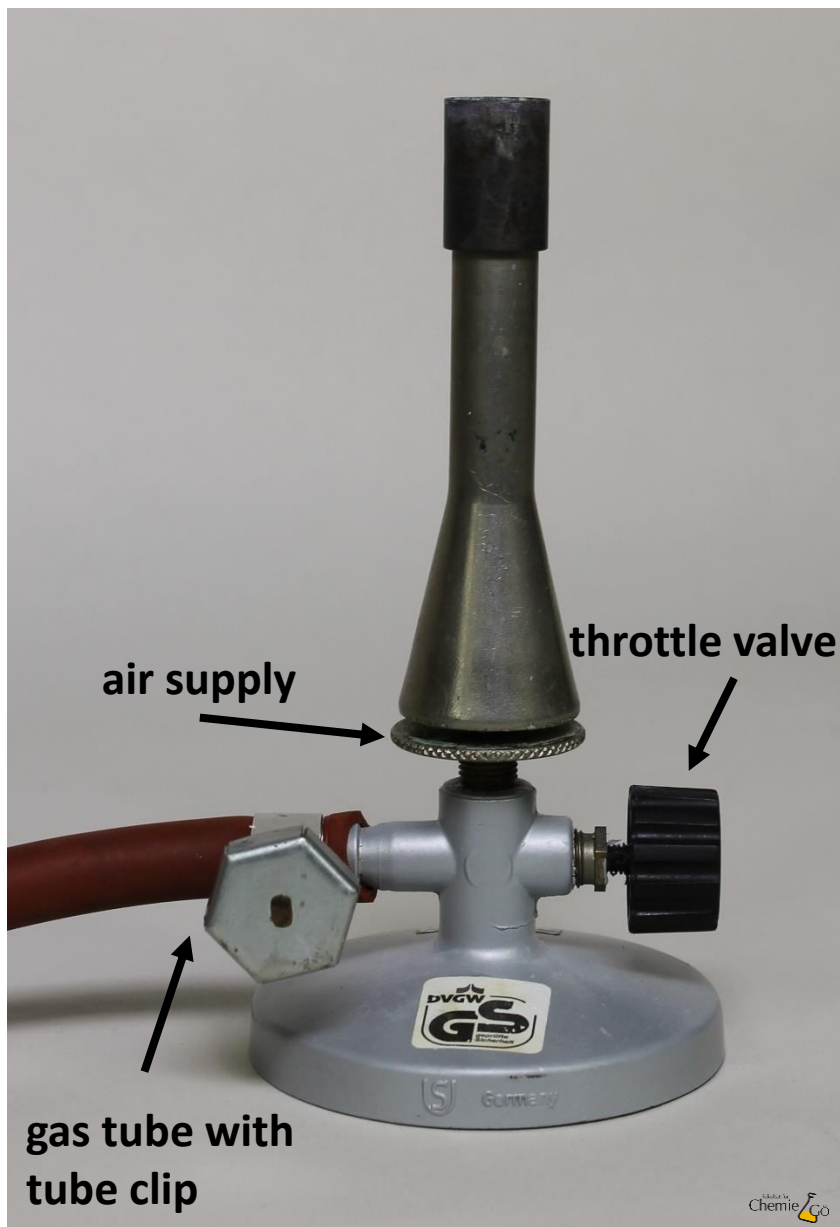
Georg-August-Universität Göttingen



Gas Burner

A gas burner, also known as a Bunsen burner, is used to heat and burn chemicals.





Before use, a gas tube is connected to the gas supply and the gas burner. The tube is secured with tube clips.

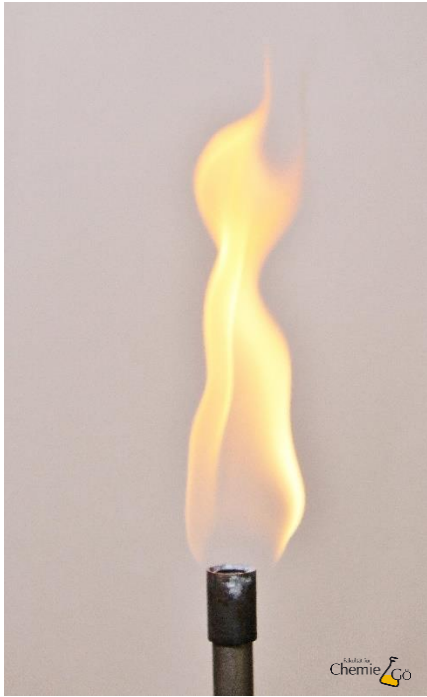
The function of gas burner is adjusted via the air supply and the throttle valve.



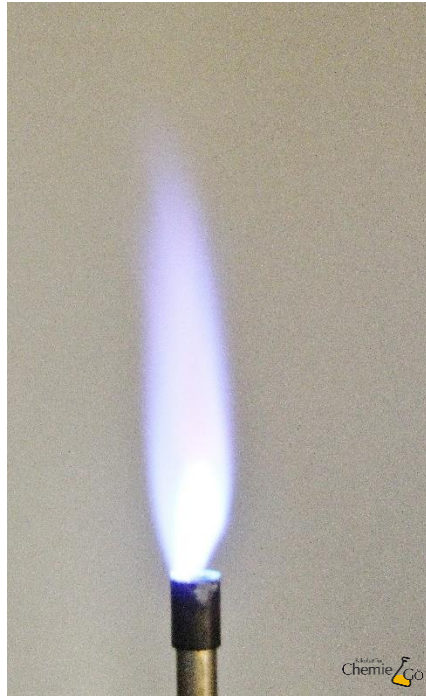
Before igniting the Bunsen burner, the throttle valve is closed and the air supply shut off.

Subsequently, the gas valve is opened and the fire source is held over the chimney.

By opening the throttle valve, the burner is ignited.



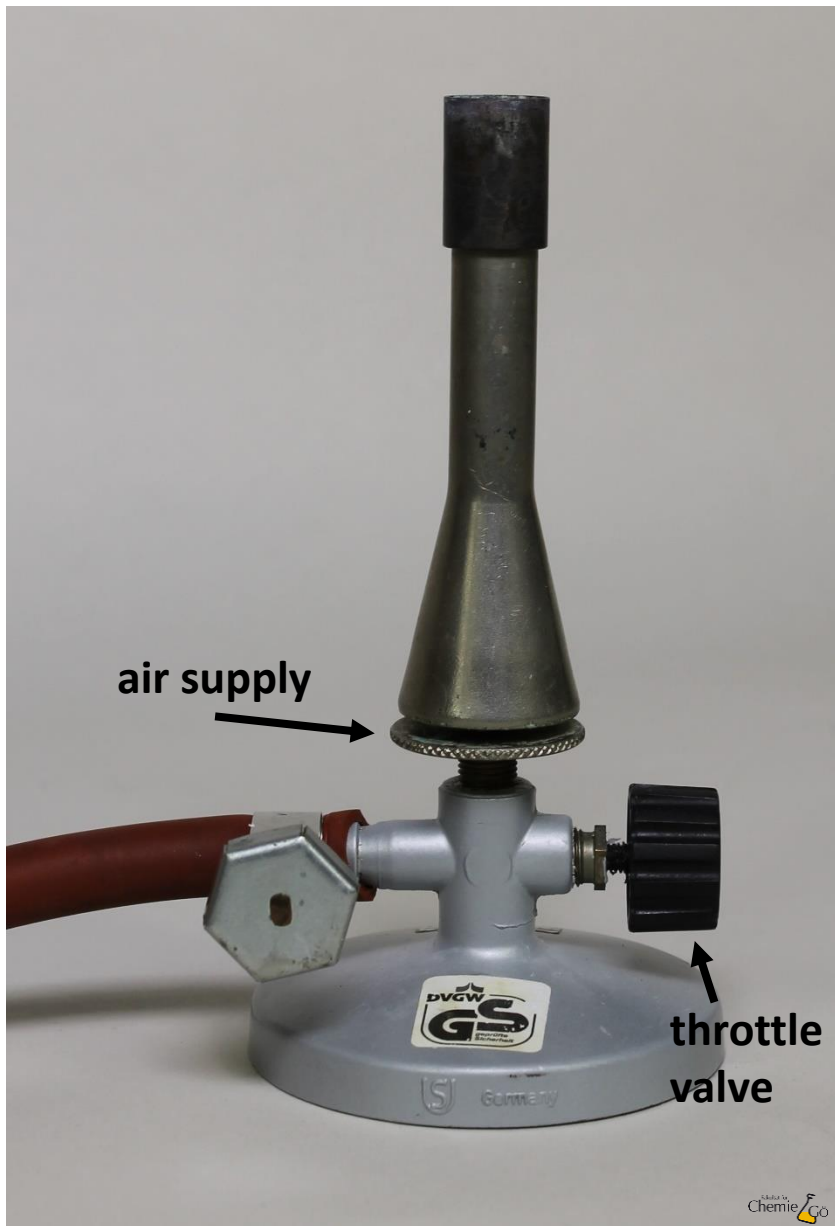
up to ca. 900°C



up to ca. 1500°C

By adjusting the air supply, the flame temperature can be tuned.

A distinction is made between a glowing flame (left) and a whooshing flame (right).



To extinguish the flame, first the air supply is shut off, then the throttle valve and finally the gas valve is closed.

The flame is left to burn out.

Subsequently, the air supply is reopened to prevent the thread from jamming during cool down.