

# Fast Filtration Funnel

*Schnelllauftrichter*

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# Fast Filtration Funnel

A fast filtration funnel, also known as an analytical funnel, is used to filter small amounts of residue.

It is made of glass and has an indentation in the funnel cone.



The funnel is placed in a filter rack and a collection vessel is positioned underneath.





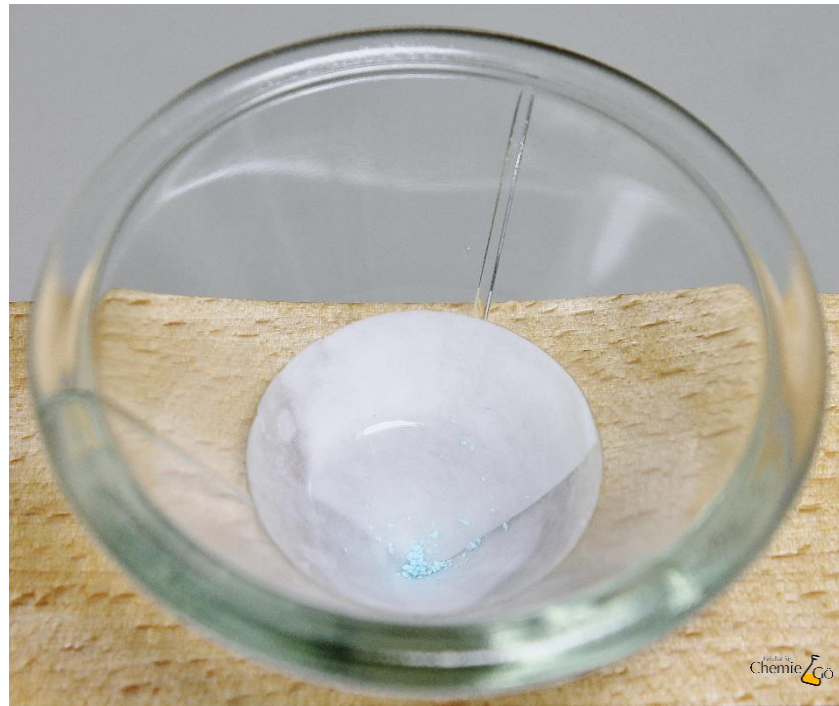
Filter paper disks are used in fast filtration funnels.

The filter paper is properly folded and dampened, thereby forming a cavity between the bottom part of the filter cone and the filter paper.

When filling the funnel with solution, a water column is formed. The suction of this water column is responsible for the fast filtration speed.

After the preparation of the funnel, the sample is poured in the filtration cone.

It should be made sure that the sample does not pass the rim of the filter paper.





When filtering, the funnel tube should touch the wall of the beaker to ensure a continuous flow.



The funnel tube should not be immersed in the solution as then the filtration could come to a halt through the build-up of counterpressure.