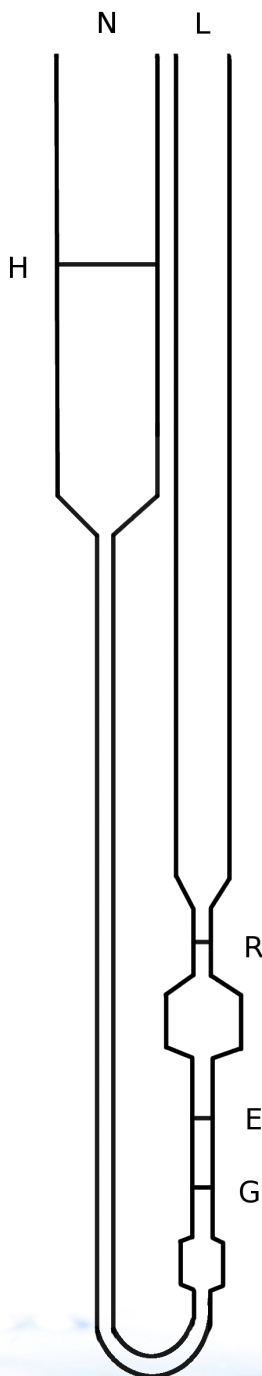


Operating Instructions for U-Tube Reverse Flow Viscometer



Use a rubber bung fitted with a glass tube and stopcock to apply slight, controllable, excess pressure to tube L.

Pour sufficient sample into the filling tube N to a point just below the upper filling mark H. Avoid wetting the glass above H.

Allow the sample to flow through the capillary tube R, ensuring the liquid column remains unbroken, until it has reached a position 5mm below the lower filling mark G.

Arrest the liquid flow by closing the tube L.

Add more sample to the filling tube N to bring the upper liquid surface to just below mark H.

Allow the additional sample to reach bath temperature.

Gently manipulate the stopcock in order to close tube L until the lower level of the sample is arrested at mark G.

Add sample to tube N until the uppermost ring of contact of the sample with the filling tube N coincides with the bottom of filling mark H.

Allow time for this additional amount of sample to reach bath temperature.

Remove the bung from tube L or open the stopcock to the atmosphere and allow the liquid to flow under its own head.

Measure the flow time in seconds for the uppermost ring of contact of the sample with the glass to rise from the bottom of the lower timing mark E to the bottom of the upper timing mark F.