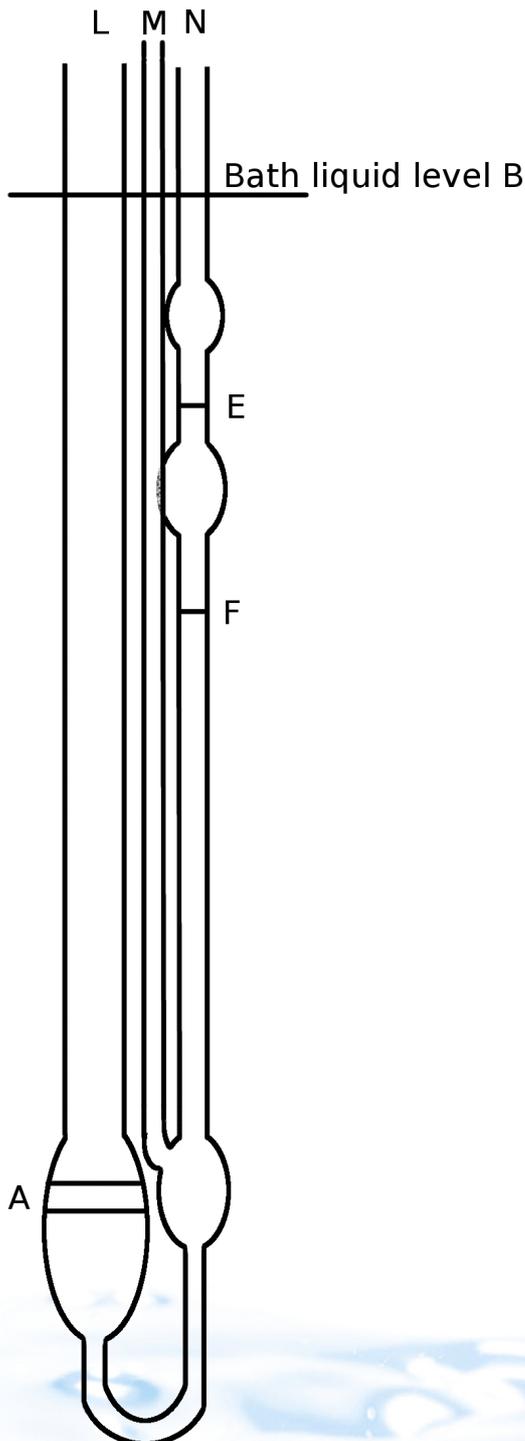


## Operating Instructions for Ubbelohde Viscometer



Charge the viscometer with the appropriate fluid. Fill by using tube L, so that the sample is between the two lines A. This will ensure that the amount charged will not obstruct Air Tube M during use.

Connect clean, dry rubber tubing to Timing Tube N and Air Tube M and place the viscometer in a temperature controlled liquid bath. Ensure that the capillary is vertical. Allow the sample to come to temperature in the bath (approx 20 min).

Seal off the rubber tubing connected to air tube M and apply gentle suction to Timing Tube N until the liquid reaches approximately 5 mm above the upper Timing Mark E. Hold the liquid at this level by sealing tube N. Ensure that this point is at least 2cm below the bath liquid level B.

Release air tube M to allow the liquid to fall away from the bottom of the capillary tube.

N.B. If the charge is of a high viscosity, it may be necessary to apply pressure to tube M to ensure the liquid falls away from the bottom of the capillary tube.

Release Timing Tube N and allow the liquid to flow under its own head. Measure the flow time in seconds for the bottom of the meniscus to pass from the top edge of the Mark E to the top edge of Mark F.