【流體動黏度計】

流體動黏度計，依據 ASTM D455、D2170 與 D2270 等相關規範，用來測量流體流過一固定距離的運動黏度(Kinematic viscosity)值。若流體之黏度為一常數，與剪切率或所受剪應力無關時，則該流體可稱為具牛頓流體。一般而言，低分子量液體及溶劑、溶質均為低分子量之溶液會遵守牛頓定律。然而高分子量液體、含有高分子量溶質之溶液及膠體分散液（例如：懸浮劑和乳劑），一般不遵守牛頓黏性流定律，稱為非牛頓流體。

【Dynamic Viscometer】

The dynamic viscometer is used to measure the kinematic viscosity of a fluid flowing through a fixed distance based on ASTM D455, D2170 and D2270 standards. If the viscosity of the fluid is a constant, the fluid is called a Newtonian fluid. Generally speaking, low-molecular-weight liquids or solution containing low-molecular-weight solvents and solutes will belong to Newtonian fluid. However, high-molecular-weight liquids or solutions containing high-molecular-weight solutes generally do not follow Newton's law of viscous flow and are called non-Newtonian fluids.

流體動黏度計 (Dynamic Viscometer)