

Impellers are crucial components of overhead stirrers, responsible for generating the mixing action within a liquid. Different impeller designs create distinct **flow patterns** (axial, radial, tangential) and exert varying degrees of **shear force**, making them suitable for specific applications based on the liquid's **viscosity** and the desired **mixing outcome**.

Axial Turbine

Axial flow from top to bottom for stirring in round vessels



Pitched Fan

Radial flow from top to bottom for medium to high speed. For aeration of low viscosity media



Saw Cutter

Radial flow from top to bottom for medium to high speed with high shearing force



4 Cross Blade

Axial flow from top to bottom for medium to high speed



Teflon Pestle

For Homogeniser

