

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



Homogenizers

Homogenizers

RQ - 127A / D suitable for homogenizing of tissues at high speed available. Chuck to hold shaft upto 10 mm dia. Fitted with PTFE grinding pestle. Glass homogenising cup with rod of 50ml supplied as standard, optional available 5 ml, 15 ml, 25 ml & 100 ml. RQT-127A/D is with digital RPM indicator



RQ-127 A / D

Technical Data

Model	Stirring Shaft		Impeller	Motor	Speed (rpm)		Stirring Capacity	Digital Speed Indicator
	Length (mm)	Ø (mm)	Type		Min	Max	Max Volume	
RQ-127A/D	275	8	Teflon Pestle	AC/DC 1/8 HP	300	8000	upto 100 ml.	×
RQT-127A/D	275	8	Teflon Pestle	AC/DC 1/8 HP	300	8000	upto 100 ml.	LED

Supply: 220-240 Volts 50 Hz Single Phase.

Specifications subject to change without notice