

Laboratory Stirrers



AC Stirrers

These Stirrers are specially designed brushless AC variable speed stirrers driven by frequency inverter to ensure reproducible speed with any load.

Model RQ-140/D-FP is with flame proof motor & frequency inverter inside flameproof enclosure, suitable for use in Group II A & II B hazardous areas.

Stirrers have steady & constant speed for viscous materials and solutions that change viscosity during mixing. Stirrers have built in digital RPM indicator for process validation and reproducibility.

Salient Features:

- Facility for pre-setting of stirring speed in increments of 10 RPM
- Digital display of stirring speed within the range of 10% to 100% (+100 RPM)
- Stirring shaft SS 316, Retort Rods SS 304

Homogenisers & Emulsifiers

Designed for homogenization, emulsification and dispersion and mixing of fluids at high speed. The user has a choice of selecting from AC Drive or AC/DC Drive with stepless speed regulations for continuous variation of speed as per requirements.

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

RQ-127/D, RQ-130/D, RQ-130B/D are with AC/DC motor, these units are 3 bladed impeller (optional Saw Cutter) housed in flange type cage. **Optional digital speed indicator for precise setting of speed.**

RQ-140/DE specially designed brushless AC variable speed Emulsifier driven by frequency inverter to ensure reproducible speed with any load. Steady & constant speed ideal for solutions that change viscosity during mixing. Emulsifier has built in digital RPM indicator for process validation and reproducibility.



Laboratory Stirrers



Technical Data								
Models	Stirring Shaft	Impeller	Motor	Speed (rpm)		Stirring Capacity		Digital Speed Indicator
	Ø X length (mm)			Min	Max	Type of Fluid	Max Volume	
AC Stirrers / Flame Proof Stirrers								
RQ-140/D	10 X 730	RADIAL TURBINE	AC BRUSHLESS	100	1400	WATER/LIGHT OIL	40 LTRS	✓
RQ-140/D FP	10 X 730	RADIAL TURBINE	AC BRUSHLESS	100	1400	WATER/LIGHT OIL	40 LTRS	✓
RQ-140/DFP(ECO)	10 X 730	RADIAL TURBINE	AC BRUSHLESS		1400	WATER/LIGHT OIL	40 LTRS	X
Homogenisers / Emulsifiers								
RQ-127/D	8 X 240	4 CROSS BLADE	AC/DC 1/8 HP	300	6000	WATER	8 LTRS	X
RQT-127/D	8 X 240	4 CROSS BLADE	AC/DC 1/8 HP	300	6000	WATER	8 LTRS	✓
RQ-127A/D	8 X 275	TEFLON PESTLE	AC/DC 1/8 HP	300	8000		UP TO 100 ML	X
RQT-127A/D	8 X 275	TEFLON PESTLE	AC/DC 1/8 HP	300	8000		UP TO 100 ML	✓
RQ-130/D	12 X 475	PITCHED FAN	AC/DC 1/4 HP	300	5000	WATER	20 LTRS	X
RQT-130/D	12 X 475	PITCHED FAN	AC/DC 1/4 HP	300	5000	WATER	20 LTRS	✓
RQ-130B/D	12 X 475	PITCHED FAN	AC/DC 2/3 HP	300	5000	WATER	35 LTRS	X
RQT-130B/D	12 X 475	PITCHED FAN	AC/DC 2/3 HP	300	5000	WATER	35 LTRS	✓
RQ-140/DE	10 X 730	PITCHED BLADE	AC BRUSHLESS	500	5000	WATER	35 LTRS	✓
Supply: 220-240 Volts 50 Hz Single Phase.								

