



RQ - 121 / D



RQT - 124 A / D



RQ - 129 / D

Direct Drive Stirrers

AC/DC Lab Stirrers

They are designed to meet requirements of laboratories demanding wide flexibility of stirring operations. These stirrers are available in various models. The choice of model will be dependant on the batch size / volume to be stirred.

Salient features :

- Multipurpose stirrers for general purpose & PUF stirring
- Heavy duty stirrers for pilot plant, bench scale process & small batch production
- Models also available with digital speed indicator for speed indication & process validation

PMDC Lab Stirrers

Permanent Magnet DC (PMDC) Stirrers are specially designed for routine laboratory work, research and development, QA analysis and sample preparations. Stirrers have uniform speed control with digital RPM indicator which gives speed read outs, valuable for applications where process validation and reproducibility is required.

RQ - 121 / D, RQ - 126 / D and RQ - 129 / D models use direct drive motors & are ideal for day to day laboratory use with aqueous & low viscosity liquids such as light oils.

Salient Features :

- PMDC motor for powerful stirring
- Reliable performance even in continuous use
- Stepless electronic speed regulator with digital display
- Hollow shaft in Geared models permitting height adjustment
- Chuck for easy interchangeability of shaft
- Stirring shaft SS 316; Retort Rods SS 304



RQG - 129 / D



RQ - 128 / D

Geared Stirrers

The Geared Stirrers are specially designed for a broad spectrum of applications requiring low speed & high torque for stirring of viscous fluids & materials. These stirrers are used in routine laboratory work, research and development, QA analysis and sample preparations.

The user has choice of different types of drives i.e. AC / DC, PMDC or AC with stepless speed regulations for continuous variation of speed as per requirements.

PMDC Geared Stirrers

These stirrers have PMDC motors with hollow shafts in output spindle (except RQG-121/D), permitting length adjustment with ability to mix high viscosity liquids such as heavy oils, lubricants & paints. It has uniform speed control with digital RPM indicator which gives speed read outs, valuable for applications where process validation and reproducibility is required.

- PMDC motor for powerful stirring
- Reliable performance even in continuous use
- Hollow shaft in Geared models permitting height adjustment
- Stirring shaft SS 316; Retort Rods SS304

AC Geared Stirrers

- Specially designed AC geared stirrers for continuous mixing in viscous materials and solvents that change viscosity during mixing. Heavy duty brushless motor produces no spark.

Salient Features :

- Stirring shaft length-adjustable in hollow output spindle
- Stirring shaft SS 316 & Retort Rods SS 304

AC / DC Universal Geared Stirrers

- These Geared stirrers have Universal AC / DC motor, for routine mixing application in laboratories.



RQ - 140 / D



RQ - 140 / DE



RQ-127 A/D

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 available with flame proof motor & frequency inverter inside flameproof enclosure.

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

Salient Features :

- Facility for 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

These are designed for homogenization, emulsification, 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 PTFE grinding pestle (50ml). 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 with Saw cutter impeller housed in flange type cage. **Optional digital speed indicator available 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.

Model	Stirring Shaft		Impeller		Motor	Speed (rpm)		Stirring capacity		Digital Speed Indicator
	Length (mm)	Ø (mm)	Type	Ø (mm)		Min	Max	Type of fluid	Max. Volume	
Direct Drive Stirrers										
RQ-121/D	250	8	Axial Turbine	36	PMDC	200	2000	Water/Light Oil	10 Ltrs.	✓
RQ-126/D	450	10	Pitched Fan	75	PMDC	120	2000	Water/Light Oil	25 Ltrs.	✓
RQ-129/D	550	10	Pitched Fan	100	PMDC	100	1400	Water/Light Oil	50 Ltrs.	✓
RQM-122/R	250	6	Pitched Fan	38	AC/DC 1/20 HP	800	4000	Water	7 Ltrs.	✗
RQ-122/D	250	6	Pitched Fan	38	AC/DC 1/20 HP	800	4000	Water	7 Ltrs.	✗
RQ-124A/D	350	8	Pitched Fan	52	AC/DC 1/8 HP	300	4000	Water	20 Ltrs.	✗
RQT-124A/D	350	8	Pitched Fan	52	AC/DC 1/8 HP	300	4000	Water	20 Ltrs.	✓
RQ-134S/D	450	12	Pitched Fan x 2	55	AC/DC 1/4 HP	900	5000	Water	35 Ltrs.	✗
RQ-134L/D	450	12	Pitched Fan x 2	65	AC/DC 1/2 HP	900	6000	Water	60 Ltrs.	✗
RQ-134H/D	450	12	Pitched Fan x 2	75	AC/DC 2/3 HP	500	5000	Water	80 Ltrs.	✗
RQT-134H/D	450	12	Pitched Fan x 2	75	AC/DC 2/3 HP	500	5000	Water	80 Ltrs.	✓
Geared Stirrers										
RQG-121/D	250	6	Axial Turbine	36	PMDC	50	550	Light Oil	5 Ltrs.	✓
RQG-126/D	450	8	4 Cross Blade	75	PMDC	50	750	Paint/Gear Oil	15 Ltrs.	✓
RQG-129/D	550	10	4 Cross Blade	100	PMDC	50	550	Paint/Gear Oil	25 Ltrs.	✓
RQ-128/D	310	8	4 Cross Blade	90	AC/DC 1/20 HP	50	150	Light Oil	3 Kgs.	✗
RQ-128B/D	310	8	4 Cross Blade	90	AC/DC 1/8 HP	50	150	Light Oil	7 Kgs.	✗
RQ-128D/D	450	12	4 Cross Blade x 2	120	AC/DC 1/2 HP	50	280	Light Oil	20 Kgs.	✗
RQG-128A/D	450	8	4 Cross Blade	75	AC Brushless	50	550	Water	10 Ltrs.	✗
RQG-128C/D	450	10	4 Cross Blade	90	AC Brushless	50	500	Paint/Gear Oil	20 Ltrs.	✗
AC Stirrers / Flameproof Stirrers										
RQ-140/D	730	10	4 Cross Blade	100	AC Brushless	100	1400	Water/Light Oil	40 Ltrs.	✓
RQ-140/DFP	550	10	4 Cross Blade	100	Flame Proof	100	1400	Water/Light Oil	40 Ltrs.	✓
Homogenisers / Emulsifiers										
RQ-127/D	250	8	Saw Cutter	30	AC/DC 1/8 HP	300	6000	Water	8 Ltrs.	✗
RQT-127/D	250	8	Saw Cutter	30	AC/DC 1/8 HP	300	6000	Water	8 Ltrs.	✓
RQ-127A/D	275	8	Teflon Pestle		AC/DC 1/8 HP	300	8000		upto 100ml	✗
RQT-127A/D	275	8	Teflon Pestle		AC/DC 1/8 HP	300	8000		upto 100ml	✓
RQ-130/D	480	12	Saw Cutter	40	AC/DC 1/4 HP	300	5000	Water	20 Ltrs.	✗
RQT-130/D	480	12	Saw Cutter	40	AC/DC 1/4 HP	300	5000	Water	20 Ltrs.	✓
RQ-130B/D	480	12	Saw Cutter	60	AC/DC 2/3 HP	300	5000	Water	35 Ltrs.	✗
RQT-130B/D	480	12	Saw Cutter	60	AC/DC 2/3 HP	300	5000	Water	35 Ltrs.	✓
RQ-140/DE	480	12	Saw Cutter	40	AC Brushless	500	5000	Water	35 Ltrs.	✓

Supply: 220-240 Volts, 50 Hz Single Phase.