

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	
Direct Drive Stirrers								
RQ-121/D	8 X 250	AXIAL TURBINE	PMDC	200	2000	WATER/LIGHT OIL	10 LTRS	✓
RQ-126/D	10 X 450	PITCHED BLADE	PMDC	120	2000	WATER/LIGHT OIL	25 LTRS	✓
RQ-129/D	10 X 550	PITCHED BLADE	PMDC	100	1400	WATER/LIGHT OIL	50 LTRS	✓
RQM-122/R	6 X 250	PITCHED FAN	AC/DC 1/20 HP	800	4000	WATER	7 LTRS	X
RQ-122/D	6 X 250	PITCHED FAN	AC/DC 1/20 HP	800	4000	WATER	7 LTRS	X
RQ-124A/D	8 X 350	PITCHED FAN	AC/DC 1/8 HP	300	4000	WATER	20 LTRS	X
RQT-124A/D	8 X 350	PITCHED FAN	AC/DC 1/8 HP	300	4000	WATER	20 LTRS	✓
RQ-134S/D	12 X 450	PITCHED FAN X 2	AC/DC 1/4 HP	900	5000	WATER	35 LTRS	X
RQ-134L/D	12 X 450	PITCHED FAN X 2	AC/DC 1/2 HP	900	5000	WATER	60 LTRS	X
RQ-134H/D	12 X 450	PITCHED FAN X 2	AC/DC 2/3 HP	500	5000	WATER	80 LTRS	X
RQT-134H/D	12 X 450	PITCHED FAN X 2	AC/DC 2/3 HP	500	5000	WATER	80 LTRS	✓
Geared Stirrers								
RQG-121/D	6 X 250	AXIAL TURBINE	PMDC	50	550	LIGHT OIL	5 LTRS	✓
RQG-126/D	8 X 450	RADIAL TURBINE	PMDC	50	750	PAINT/GEAR OIL	15 LTRS	✓
RQG-129/D	10 X 550	RADIAL TURBINE	PMDC	50	550	PAINT/GEAR OIL	25 LTRS	✓
RQ-128/D	8 X 310	4 CROSS BLADE	AC/DC 1/20 HP	50	150	LIGHT OIL	3 KGS	X
RQ-128B/D	8 X 310	4 CROSS BLADE	AC DC 1/8 HP	50	150	LIGHT OIL	7 KGS	X
RQ-128D/D	12 X 450	4 CROSS BLADE X 2	AC/DC 1/2 HP	50	280	LIGHT OIL	20 KGS	X
RQG-128A/D	8 X 450	RADIAL TURBINE	AC BRUSHLESS	50	550	WATER	10 LTRS	X
RQG-128C/D	10 X 450	RADIAL TURBINE	AC BRUSHLESS	50	500	PAINT/GEAR OIL	20 LTRS	X
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 550	RADIAL TURBINE	AC BRUSHLESS	100	1400	WATER/LIGHT OIL	40 LTRS	✓
RQ-140/D(ECO)	10 X 550	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 475	PITCHED BLADE	AC BRUSHLESS	500	5000	WATER	35 LTRS	✓
Supply: 220-240 Volts 50 Hz Single Phase.								

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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
- 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 drive i.e. AC Drive, AC / DC Drive & PMDC 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.

### Salient Features:

- 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 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, suitable for use in Group II A & II B hazardous areas.**

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 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

## Homogenizers & Emulsifiers

These are 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 PTFE grinding pestle (50ml). Glass homogenizing 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 in RQT Models.**

**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.