

| 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.