

Laboratory Stirrers

INTRODUCING **ZERO COMPROMISE MODELS**

- BRUSHLESS
- ECONOMICAL



RQ-5 Plus

RQ-100 Plus

Laboratory Stirrers

REMI presents the next generation of laboratory stirrers for stirring / mixing etc of chemical, pharmaceutical, food and cosmetic products. The equipment basically consists of body, Chuck, stainless steel blade propeller and a U-type stand.

Salient Features :

- High torque even at low speeds
- Monitoring of set & actual speed
- Wide range of impellers
- Advanced Stirrers with microprocessor technology
- Advanced Stirring speed control through VFD
- Constant speed even with change of load / Voltage
- Easy -to- read display of set & actual parameters
- Last parameter recall Ideal for repetitive processes
- Accepts shafts up to 13mm Ø
- Motor protection in case of continuous overload
- Stopper for protection of vessel & shaft
- Special base design for topple free operation

Your Text

Technical Data		
Features	RQ-5 Plus	RQ-100 Plus
Max. stirring capacity (Water) (Liters)	5	100
Motor Type	BLDC	AC Induction, 3 phase
Motor rating	10 watt	100 watt
Speed range [rpm]	50-1500	100-4000
Speed display	LED	LED
Timer	0 to 99 Minutes	0 to 99 Minutes
Motor Overload protection	LED light flash, auto stop	LED light flash, auto stop
Chuck Ø (mm)	1.5 to 10	1.5 to 13
Stirring Shaft Ø x length (mm)	8 x 250	12 x 500
Impeller Type / Ø (mm)	Axial Turbine / 36	Pitched x 2 / 65
Dimensions [W x D x H] (mm)	115 x 180 x 155	320 x 285 x 620
Stand length (mm)	600 ('2')	1220 ('4')
Weight [kg]	6.5	19
Power [W]	10 watt	175 watt

Supply: 220-240 Volts, 50 Hz, single phase.

Laboratory Stirrers



Laboratory Stirrers

REMI presents the next generation of laboratory stirrers for stirring / mixing etc. of chemical, pharmaceutical, food and cosmetic products. The equipment basically consists of body, chuck, stainless steel blade propeller and stand.

Salient Features :

- 2 models – 40 liters & 20 liters capacity
- Advanced Stirrers with microprocessor technology
- Speed range 50 – 2200 rpm
- Monitoring of set & actual speed
- Constant speed even with change of load / Voltage
- High torque even at low speeds
- Accurate stirring speed control
- Maintenance free Brushless DC motor ensures high torque
- Easy-to-read backlit LCD for display of set & actual parameters
- Display of torque & speed
- Last parameter recall, ideal for repetitive processes
- Motor protection in case of continuous overload
- Accepts shafts up to 13mm Ø
- Protection class acc. to DIN/EN 60529
- Stopper for protection of vessel & shaft
- Special base design for topple free operation

Your Text

Technical Data

Features	RQ-40 Plus	RQ-20 Plus
Max. stirring capacity (Water) (Liters)	40	20
Motor rating input [W]	120	60
Motor rating output [W]	100	50
Speed range [rpm]	50-2200	50-2200
Speed display	LCD	LCD
Max. torque [Ncm]	60	40
Torque display	LCD	LCD
Motor Overload protection	LED light flash, auto stop	LED light flash, auto stop
Chuck Ø [mm]	13	13
Stirring Shaft Ø x length (mm)	8 x 220	8 x 220
Impeller Type / Ø [mm]	4 Cross Blade / 50	4 Cross Blade / 50
Dimensions [W x D x H] (mm)	83 x 186 x 220	83 x 186 x 220
Stand length (mm)	750	750
Weight [kg]	2.4	2.4
Power [W]	130	70
Protection class acc. to DIN/EN 60529	IP 42	IP 42

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

Laboratory Stirrers



RQ - 121 / D



RQT - 124 A / D



RQ - 129 / D

Your Text

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

Your Text

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.



Your Text

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

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.

Laboratory Stirrers

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	550	Paint/Gear Oil	15 Ltrs.	✓
RQG-129/D	550	10	4 Cross Blade	100	PMDC	50	350	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.