



Laboratory Equipment Manufacturer
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INSTRUCTION MANUAL FOR **RW-12/06/03-RM/RTM** LABORATORY STIRRER

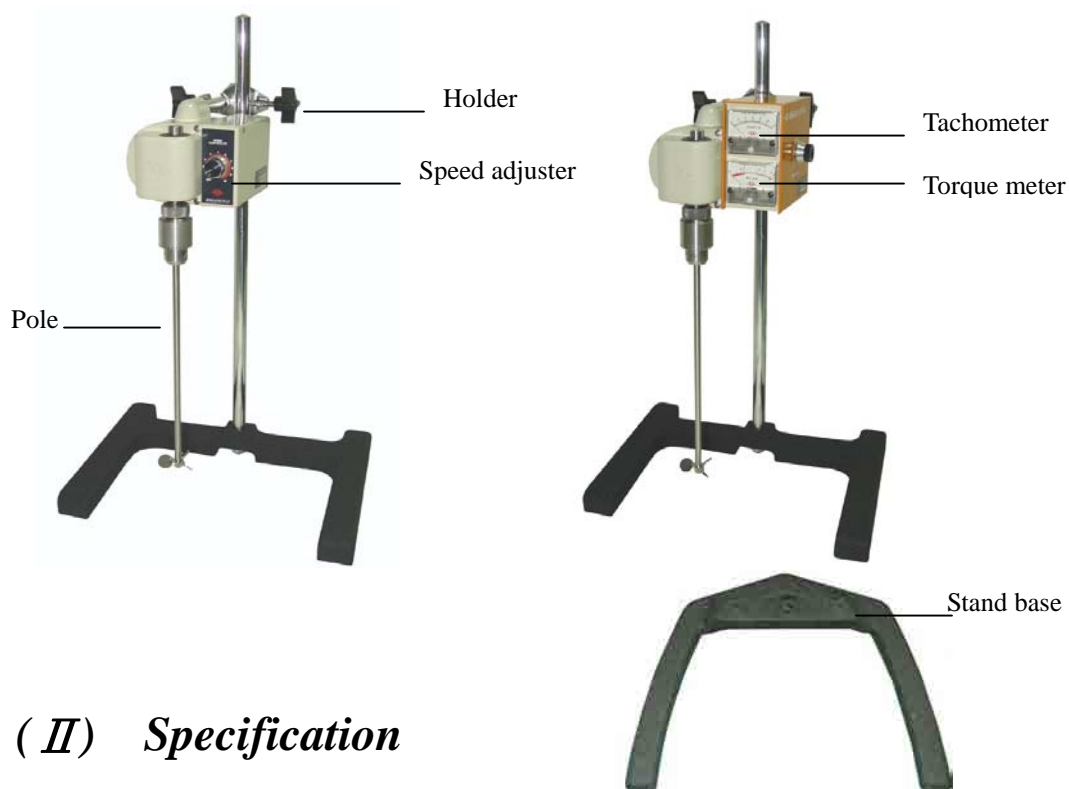


PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION

3, Hagavish st. Israel 58817 Tel: 972 3 5595252, Fax: 972 3 5594529 mrc@mrclab.com

MRC.VER.02-11.10

(I) Structure:



(II) Specification

Model	RW-12-RM/RTM	RW-06-RM/RTM	RW-03-RM/RTM
Speed (rpm)	200 ~ 1,200	100 ~ 600	50 ~ 300
Max. torque (kg-cm)	2.5	5	10
Viscosity (10^3 cps / L)	20	50	100
Motor	DC 45W		
Power	AC 110 / 220V, 50 / 60 Hz, 2/1 A		
Chuck	ϕ 1~10 mm		
Safety device	Heat breaker system		
	Glass fuse		
Coating	Medicine-resisting		

(III) Accessories:

1. Stirring shaft (SUS#304): $\varnothing 8 \times L500$ mm-----1pc
2. Propeller: No. 8-----1pc
3. Holder-----1pc
4. Stand base: 7.7 kg-----1pc
5. Pole: $\varnothing 19 \times L800$ mm, 1.8 kg-----1pc

(IV) Operation Introduction:

1. Set speed adjuster to “OFF”, and then put plug into the socket.
2. Standard voltage for this machine is 220V. The power of voltage influences its start and max. speed.
3. Turn on the speed adjuster. (Only when the adjuster indicates “OFF”, you can take off the plug or turn off the source during high-speed rotation.)
4. When the temperature of motor reaches 75°C, the built-in thermal circuit breaker will stop the rotation to prevent the motor from burning out. The re-performance is allowed to start only when the temperature is less than 55°C. (If the rotation stops again, please reduce the stirring burden.)
5. Fuse will automatically burn out itself and cut off the source under high-speed rotation, excessive viscosity, or current adding.
6. After renewing the carbon brush, an unloaded low-speed rotation for 1~2 hours is needed for motor protection.
7. The choosing of propellers & stirring vessels depend on the temper of the materials. (For example, consistency, viscosity, etc.)
8. Using more than 2 propellers depends on the torque of the machine.

(V) *Attention*

1. Avoid using the same source with other electrical appliances.
2. The overload burden will exhaust and damage the gear.

(VI) *Assembling*

1. Place pole onto the stand base, and lock the screw nut.
2. Insert the flat end of pole into the stirrer body, then lock the hatless screw tightly, and fasten in the holder slot.
3. Set the machine body, and adjust the altitude to prepare the placement of stirring shaft.
4. Put propeller on the flat side of screw, then fix it on one end of shaft.
5. Turn left to open the holder, get stirring shaft into the hole, then fasten it.

(VII) *Inspection*

When the machine is out of order, please check whether:

1. the carbon brush on the two sides of the motor are out of using or in bad contact. (Take them out and renew while out of using.)
2. the fuse burns out or not.
3. the power breaker contacts normally or not.
4. the speed adjuster works normally or not.

*** If everything is O.K., please send it back to the agent for examination & maintenance. ***