

NEUATION

TECHNOLOGIES



iSTIR HP320A

PRODUCT USER MANUAL

TABLE OF CONTENT

1. INTRODUCTION	1
2. INTENDED USE	1
3. KEY FEATURES	1
4. ACCESSORIES	1
5. TECHNICAL SPECIFICATIONS	1
6. INSTALLATION	2
7. USER DISPLAY & OPERATION	2
8. MAINTENANCE & CLEANING	2
9. WARRANTY STATEMENT	2
10. PRODUCT DISPOSAL	3

1. INTRODUCTION

This manual provides important safety information for this Hot Plate Magnetic Stirrer. This manual should be kept near the equipment for quick & easy reference. This stirrer is specially designed for stirring operation with variable speed (500-2200 RPM) and temperature (from ambient to 320 °C) setting which allows gentle to vigorous mixing of liquid, maximum capacity of 10 L.

2. INTENDED USE

The hotplate stirrer is suitable to use for mixing and/or heating the liquids with the maximum capacity of 10 L (H₂O). It is designed for use in general laboratories, pharmaceuticals, schools and universities.

NOTE: Before using the instrument, please read this user manual carefully. This user manual is intended to assist with the operation and care of the unit only and not its repair. For repair please contact the supplier. This manual should be always kept near instrument for guidance.

3. KEY FEATURES

- Powerful DC motor delivers constant speed under varying load conditions.
- Temperature ranges from ambient to 320°C.
- Variable speed setting from 500 to 2200 RPM.
- Small footprint saving valuable bench space.
- With double knobs for easy operations.

4. ACCESSORIES

- Magnetic Stirring Bar (25mm).
- Power Cord.
- User Manual and Warranty Card.

5. TECHNICAL SPECIFICATIONS

Motor	DC
Number of stirring position	1
Max Stirring Quantity on Equip (H ₂ O)	10 Litres
Speed range	500 to 2200 RPM
Temp. range	Ambiant to 320°C
Set-up plate dimensions	140 mm
Dimensions (L x W x H)	156 x 248 x 104 mm
Heat output	300 W
Protection class according to DIN EN	IP 21
Permissible ambient temp.	5 - 40°C
Permissible relative humidity	80%
Weight	2.2 Kg
Input Voltage (VAC)	110V/220V, 50/60Hz
Motor rating input & Output	5-7W
Total Power Consumption	310 W

5. TECHNICAL SPECIFICATIONS

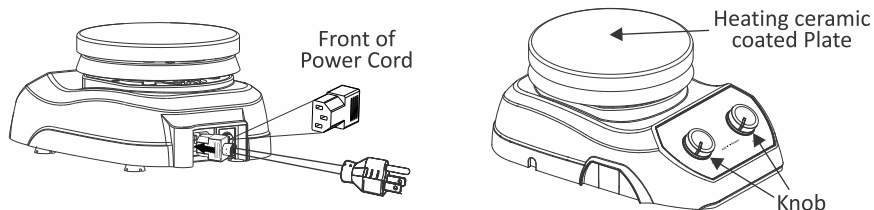
Maximum recommended bar size	Maximum Speed
25mm (10 L)	2200 RPM
35mm (10 L)	2000 RPM
50mm (10 L)	1650 RPM
60mm (10 L)	1500 RPM

6. INSTALLATION

The hot plate stirrer is provided in a box. Open the box, then remove the packaging. Take care while unpacking & removing all accessories. Please keep all packaging in safe storage for at least two years for warranty purpose.

6.1 CONNECTING POWER CORD

Connect one end of the power cord to the rear side of the stirrer and another end to the power supply as shown in the figure below. Turn ON the main switch.



7. USER DISPLAY & OPERATION

Item	Name	Function
1	Temp knob	Rotate "Temp" knob to start heating. Turn knob from left to right for increment (Abt to 320°C) & right to left for decrement (320 to Abt).
2	Speed knob	Rotate "Speed" knob to start stirring. Turn knob from left to right for increment (500-2200) & right to left for decrement (2200-500 RPM).

8. MAINTENANCE & CLEANING

1. Before cleaning the device, allow the instrument to attain room temperature remove the power cord from the mains.
2. To clean the housing of the device from dyes, building materials or cosmetic materials use isopropyl alcohol as a cleaning agent.
3. To clean the housing of the device from food materials or fuels, use water containing detergent as cleaning agent.
4. Wear proper protective gloves while cleaning the instrument.
5. Be careful that no liquid enters the device during cleaning.
6. Kindly contact suppliers before using any other methods for cleaning.

9. WARRANTY STATEMENT

This product is warranted to be free from defects in material and workmanship for a

9. WARRANTY STATEMENT

period of two (2) years from date of purchase. Your product will be duly repaired upon prompt notification in compliance with the following conditions :

The warranty is invalidated by any non-factory modification, which will immediately terminate all liabilities on us for the products or damages caused by its use. The customer shall be responsible for the product or use of products as well as any supervision required for safety. If requested the products must be returned to the distributor in well packed and insured manner and all shipping charges must be paid.

NOTE: *Some states do not allow limitation on the length of implied warranties or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights. This warranty is given expressly in lieu of all other warranties, expressed or implied.*

The purchaser agrees that there is no warranty of merchant-ability or of fitness for any intended purpose and there are no other remedies or warranties, implied, which extend beyond the description on the face of the agreement. This warranty is only applicable to the original purchaser.

Product received without proper authorization will not be processed for warranty or service. All items returned for service should be sent with postage prepaid in the original packaging or other suitable packaging, padded to avoid damage. We will not be responsible for damage incurred by improper packaging.

NOTE: *This warranty is valid only if the warranty is registered with the supplier within 30 days from the date of purchase.*

For you reference, make a note of serial number, date of purchase and supplier here.	
Serial No.:	Purchase Date:
Supplier:	

10. PRODUCT DISPOSAL

In case the product is to be disposed of, the relevant legal regulations are to be observed. Information on the disposal of electrical and electronic devices in the European Community

The disposal of electrical devices is regulated within the European Community by national regulations based on EU Directive 2012/19/EU on waste electrical and electronic equipment (WEEE). According to these regulations, any devices supplied after 13.06.05 in the business to business sphere, to which this product is assigned, may no longer be disposed off in municipal or domestic waste. They are marked with the following symbol to indicate this.

As disposal regulations within the EU may vary from country to country, please contact your supplier if necessary.



Neuation Technologies Pvt. Ltd.

Plot No. 15, GIDC Electronic Park SEZ Kolavada Road, Gandhinagar – 382026, Gujarat, India

Website: www.neuation.com