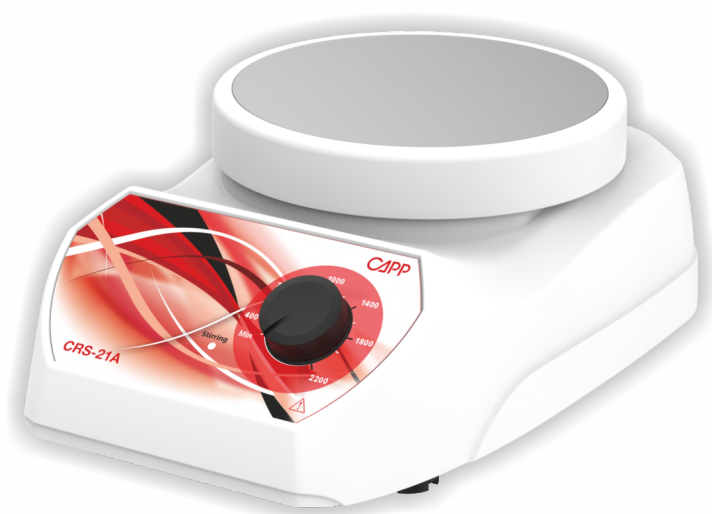


# CAPP

## CRS-21A



## USER MANUAL



## 1. PRODUCT DESCRIPTION



This manual provides important safety information for the magnetic stirrer. It should be kept near the equipment for quick & easy reference. This instrument helps in mixing liquids up to 10L (H<sub>2</sub>O) volume.

## 2. INTENDED USE

This magnetic stirrer is ideal for Mixing, stirring, titrations, preparing solution for respective usage etc.

**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.

## 3. SYMBOL

	Warning		Waste electrical
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## 4. STANDARD ACCESSORIES

- Power Adaptor
- Product user manual & Warranty card
- Magnetic stir bar (25mm)

## 5. FEATURES & SPECIFICATIONS

- Powerful DC motor delivers constant speed under varying load conditions
- Variable speed setting from 250 to 2200 RPM with infinite mode of run time
- Small footprint saving valuable bench space

Motor Type	DC Motor
Speed Range	250 to 2200 RPM
Max Stirring capacity (H <sub>2</sub> O)	Up to 10 L
Number of Stirring Position	1
Time Mode	Continuous Operation
Set-up plate dimensions	135 mm
Set-up plate material	Plastic Integrated SS Top Plate
Dimensions	248 x 156 x 92 mm
Protection class	IP 42
Permissible Ambient Temp.	5 - 40 °C
Permissible Relative Humidity	≤80%
Weight	1.5 kg
Altitude	Use upto an altitude of 2000 m above MSL
Pollution Degree	2
Environment	For indoor use only
Power Adapter Details	Input: 100-240VAC, 50/60Hz, Output: 24V --- 1.5A
Power Consumption	15W

Maximum recommended bar size	Maximum Speed
25mm	2200 RPM
35mm	1800 RPM
50mm	1500 RPM
60mm	1000 RPM

## 6. INSTALLATION

Gently remove the upper packaging and take out the stirrer by holding it from the bottom. When this equipment is used for the first time, ensure that all the packaging accessories are removed from the product. Please keep all the packaging in safe storage for at least 2 years for warranty purposes.

## 7. OPERATION

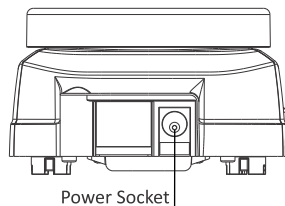
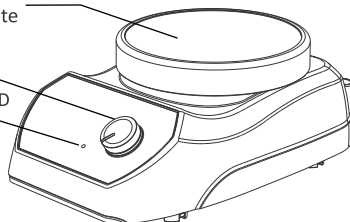
### SWITCH ON THE DEVICE

After connecting the power adapter at the back side of the device as shown in picture below, switch ON the main power supply & turn the knob towards right until “a click” sound heard.

Plastic Integrated  
SS Top Plate

Knob

Stirring LED



### START / STOP OPERATION

Once all the pre-requisites procedure are done. To START the operation, switch on the main power supply & turn the knob towards right until “a click” sound heard which means the stirrer is ready to set speed. Speed gradually can be increased from 250 RPM to 2200 RPM by turning the knob from left to right & to decrease the speed turn the knob from right to left. This equipment runs on continuous mode (for infinite time).

## 8. SAFETY PRECAUTION

Warning: These products should be used only under the operating conditions specified in the Manual.

1. Place the device on a flat, stable, clean, non-slippery and fire-proof surface.
2. Ensure that only trained staff uses the device. Keep the instructions manual in a place where it can be accessed easily.
3. Beware of the possible effects of magnetic field on pacemakers, data

media, etc.

4. Safety procedures (including, but not limited to, unplugging when not in use) and emergency response plans should be put in place to address the worst case possibility.
5. Properly lift the device with both hands while moving or installing. Also, the device should only be moved from its position once it attains the room temperature.
6. Wear your personal protective equipment in accordance with the hazardous category of the media to be processed. Otherwise, there is a risk from:
  - Splashing and evaporation of liquids.
  - Ejection of parts.
  - The release of toxic or combustible gases.
7. The top surface must be clean and kept intact. Wear protective gloves while cleaning the device. Use a soft mild cloth to clean.
8. Do not use damaged beaker, flask, stirring bar or any other component for operation. It may affect the efficiency of the device.
9. Reduce the speed if:
  - If the medium splashes out of the vessel due to high speed.
  - If the appliance is not running smoothly.
  - If the container moves on the base plate.
10. Do not move the device when it's connected to power supply or during its operation.
11. Ensure that the product is used only for specified operation. It should not be used for shaking hazardous or reactive solutions.

## **9. MAINTENANCE & CLEANING**

Keep top surface clean. Use a non-abrasive cleaner. Alkali spills, hydrofluoric acid spills or phosphoric acid spills may damage top and lead to failure. Unplug unit and remove spills promptly. Do not immerse unit for cleaning.

## **10. WARRANTY STATEMENT**

This product is warranted to be free from defects in material and workmanship. 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 details regarding the warranty period, please refer to the warranty card provided with the product.

## **11. 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.





**AHN Biotechnologie GmbH**

Uthleber Weg 14  
D-99734 Nordhausen  
Germany

Phone: +49(0)3631/65242-0  
Fax: +49(0)3631/65242-90

E-Mail: [info@ahn-bio.com](mailto:info@ahn-bio.com)  
[www.ahn-bio.com](http://www.ahn-bio.com)