

HOMOGENEIZADOR ANALÓGICO H-2

ANALOGUE HOMOGENISER H-2

HOMOGÉNÉISATEUR ANALOGUE H-2

REF. - CODE - RÉF. - ZHB006



Este manual es parte inseparable del aparato por lo que debe estar disponible a todos los usuarios del equipo. Le recomendamos leer atentamente el presente manual y seguir rigurosamente los procedimientos de uso para obtener las máximas prestaciones y una mayor duración del mismo.

This manual should be available for all users of these equipments. To get the best results and a higher duration of this equipment it is advisable to read carefully this manual and follow the processes of use.

Ce manuel est une partie indissociable de l'appareil et doit être mis à la disposition de tous les utilisateurs de l'équipement. Nous vous recommandons de lire attentivement ce manuel et de suivre scrupuleusement les procédures d'utilisation afin d'obtenir des performances maximales et une plus longue durée de vie de l'appareil.

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1. INTRODUCTION

The Nahita H-2 High-Speed Homogenizer is designed to efficiently homogenize crushed or fragmented materials in liquid media through the cutting and dispersing action of its head. Its high-speed operation ensures uniform liquid mixing of samples, meeting stringent standards for homogenization, emulsification, and dispersion.

2. TECHNICAL SPECIFICATIONS

Code	ZHB006
Model	H-2
Type	Model with cable power supply
Motor	Brushless
Total speed range	8.000-30.000 rpm
Speed adjustment	Stepless adjustment, 6 speed levels
Total capacity	150-10.000 mL
Included paddle	Ø25 (for volumes 250–5000 mL)
Paddle material	Stainless steel 316
Ambient temperature/Humidity	5-40°C/ 80% HR
Power supply	220vAC - 50Hz
Power	1300 W
Dimensions	350x250x650 mm
Weight	10.40 kg

Accessories for ZHB006: - Manufactured from 316 stainless steel

Code	Paddle dim.	For capacities	Speed range	Recommended viscosity
ZHD020	Ø18x225 mm	150-3.000 mL	10.000-30.000 rpm	5.000 mPas
ZHD021	Ø25x225 mm	250-5.000 mL	9.000-28.000 rpm	8.000 mPas
ZHD022	Ø36x225 mm	500-10.000 mL	8.000-25.000 rpm	10.000 mPas

3. OPERATION

■ Operating steps:

- Connect the device to the power supply.
- Check the speed control knob and ensure it is set to the lowest speed.
- Switch the unit ON.
- Start operation at the lowest speed and gradually increase it until reaching the desired level.
- After use, return the speed control knob to the minimum position, disconnect the device from the power supply, and clean the working head (impeller) with an appropriate solvent.

Note:

If the liquid has very high viscosity, a stalling effect may occur, which can cause the working head to draw in air. In such cases, the working head should be properly adjusted. It is recommended to reduce the amount of material being processed or dilute the sample. The recommended operating time is 10 to 20 minutes.

Disassembly of the working head assembly:

Use the included assembly tools to disassemble the components of the working head.

■ Instrument operating environment:

- Indoor use only
- Altitude: ≤ 2000 m
- Operating temperature: $+5$ °C to $+40$ °C
- Humidity: $\leq 80\%$
- Free from vibrations and drafts that could affect performance
- Free from conductive dust, explosive gases, or corrosive vapours
- Maintain a safety clearance of 10 cm around the instrument during operation

■ Safety precautions:

- Do not plug in, unplug, or operate the power switch with wet hands.
- Do not unplug the power cord while the instrument is operating.
- Do not perform maintenance or cleaning while the instrument is switched on.
- Do not install the instrument on an uneven, unstable, or vibrating surface.