

IKA 2939600

IKA 2939600 MF 4.0 Sieve Instruction Manual

Model: 2939600 | Brand: IKA

1. INTRODUCTION

This manual provides essential instructions for the proper use, installation, and maintenance of the IKA 2939600 MF 4.0 Sieve. Please read this manual thoroughly before operating the device to ensure safe and efficient performance.

2. PRODUCT OVERVIEW

The IKA MF 4.0 Sieve is an interchangeable component designed for insertion into compatible grinding heads. Its primary function is to ensure maximum particle size filtering during laboratory processes. This sieve features a 4.0 mm hole size, allowing for precise separation of materials.



Figure 1: IKA MF 4.0 Sieve. This image displays the curved, perforated metal sieve, highlighting its 4.0 mm hole size for particle separation.

3. SETUP

The MF 4.0 Sieve is designed for integration with specific IKA grinding heads. Follow these steps for proper installation:

- 1. Preparation:** Ensure the grinding head is powered off and disconnected from its power source. Allow any moving parts to come to a complete stop.
- 2. Access Sieve Compartment:** Refer to your grinding head's instruction manual to locate and open the sieve compartment.
- 3. Insert Sieve:** Carefully place the IKA MF 4.0 Sieve into the designated slot within the grinding head. Ensure it is seated securely and correctly oriented. The curved design should align with the internal structure of the grinding head.
- 4. Secure Compartment:** Close and secure the sieve compartment according to the grinding head's instructions.
- 5. Verification:** Before operation, visually inspect that the sieve is properly installed and there are no obstructions.

Note: Always consult the instruction manual of your specific IKA grinding head for detailed installation procedures and safety guidelines.

4. OPERATING INSTRUCTIONS

Once the MF 4.0 Sieve is correctly installed in a compatible IKA grinding head, operation is primarily controlled by the grinding head itself. The sieve functions passively to filter particles.

- Material Introduction:** Introduce the material to be processed into the grinding head's chamber as per the grinding head's operating instructions.

- **Grinding Process:** Initiate the grinding process on the grinding head. The material will pass through the MF 4.0 Sieve, and particles larger than 4.0 mm will be retained or further processed, while smaller particles will pass through.
- **Monitoring:** Monitor the grinding process and the output. If the grinding head features an "Error code display" as mentioned in product features, refer to the grinding head's manual for interpretation of any displayed codes.
- **Completion:** Once the process is complete, power off the grinding head and allow it to cool before opening the chamber.

Caution: Do not attempt to operate the grinding head without a sieve installed, or with a damaged sieve, as this may affect performance and safety.

5. MAINTENANCE

Regular cleaning and inspection of the MF 4.0 Sieve are crucial for maintaining its performance and longevity.

- **Cleaning After Use:** After each use, remove the sieve from the grinding head (refer to Section 3 for removal in reverse).
- **Particle Removal:** Use a soft brush or compressed air to remove any trapped particles from the sieve holes. Ensure all holes are clear.
- **Washing:** The sieve can be washed with mild detergent and water. Rinse thoroughly with distilled water to remove any residue.
- **Drying:** Allow the sieve to air dry completely or use a lint-free cloth before reinstallation or storage.
- **Inspection:** Periodically inspect the sieve for any signs of wear, damage, or deformation. A damaged sieve should be replaced immediately to ensure accurate filtering and prevent potential damage to the grinding head.

Important: Avoid using abrasive cleaners or tools that could scratch or damage the sieve surface or alter the hole size.

6. TROUBLESHOOTING

The MF 4.0 Sieve is a passive component, and most operational issues will stem from the grinding head itself or improper installation.

- **Reduced Filtering Efficiency:**
 - **Cause:** Sieve holes are clogged with material.
 - **Solution:** Remove and thoroughly clean the sieve as described in Section 5.
 - **Cause:** Sieve is damaged or deformed.
 - **Solution:** Inspect the sieve for damage. Replace if necessary.
- **Sieve Not Fitting Correctly:**
 - **Cause:** Incorrect orientation or foreign object obstruction.
 - **Solution:** Remove the sieve, clear any obstructions, and reinsert carefully, ensuring correct alignment.
 - **Cause:** Sieve is incorrect model for grinding head.
 - **Solution:** Verify the sieve model (MF 4.0) is compatible with your specific IKA grinding head.

For issues related to the grinding head's power, motor, or electronic display, refer to the grinding head's dedicated instruction manual.

7. SPECIFICATIONS

Attribute	Detail
Model Number	2939600
Brand	IKA
Sieve Hole Size	4.0 mm
Type	Interchangeable Sieve
Manufacturer	IKA
Package Dimensions	7.09 x 4.72 x 3.94 inches
Item Weight	1.76 Pounds
First Available	November 29, 2013

8. WARRANTY INFORMATION

For specific warranty terms and conditions, please refer to the documentation provided with your complete IKA grinding system or visit the official IKA website. Warranty coverage typically applies to manufacturing defects and does not cover damage resulting from misuse, improper installation, or normal wear and tear.

9. SUPPORT

Should you require technical assistance, spare parts, or further information regarding your IKA MF 4.0 Sieve or compatible IKA grinding equipment, please contact IKA customer support through their official website or the contact details provided in your product packaging.

IKA Official Website: www.ika.com

	<p>IKA Cooker Hood User Manual: Installation, Operation, and Maintenance</p> <p>Comprehensive user manual for IKA cooker hoods, including models IKA-LEXINGTON, IKA-MUNICH, IKA-BADEN, and IKA-DRESDEN. This guide covers essential safety precautions, detailed specifications, packing lists, product diagrams, installation methods, electrical schematics, operating instructions, maintenance tips, and troubleshooting advice.</p>
	<p>IKA C-MAG Series Operating Manual: Magnetic Stirrers and Hotplates</p> <p>This operating manual provides comprehensive instructions for the IKA C-MAG series of magnetic stirrers and hotplates, covering safety, operation, maintenance, and technical specifications for models like C-MAG HS4, HP4, HS7, HP7, HS10, HP10, MS4, MS7, and MS10.</p>
	<p>IKA RW 20 digital Mechanical Overhead Stirrer Operating Instructions</p> <p>Comprehensive operating instructions for the IKA RW 20 digital mechanical overhead stirrer, covering safety, usage, maintenance, technical specifications, and troubleshooting.</p>
	<p>IKA A11 basic Operating Instructions</p> <p>Comprehensive operating instructions for the IKA A11 basic analysis mill, detailing its use, maintenance, safety, and technical specifications for laboratory applications.</p>
	<p>IKA MVP 10 basic Vakuum-Membranpumpe: Bedienungsanleitung und technische Daten</p> <p>Umfassende Bedienungsanleitung für die IKA MVP 10 basic Vakuum-Membranpumpe. Enthält Sicherheitshinweise, technische Daten, Wartung und Fehlerbehebung für Laboranwendungen.</p>
	<p>IKA C-MAG HS Digital Hotplate Stirrers: Operating Manual & Technical Data</p> <p>This document provides operating instructions, safety guidelines, technical specifications, and maintenance information for the IKA C-MAG HS 4, HS 7, and HS 10 digital hotplate stirrers.</p>