

## Nilfisk B660108

# Nilfisk GM 80 Museum Vacuum Instruction Manual

Model: B660108

## 1. INTRODUCTION

The Nilfisk GM 80 Museum Vacuum is a specialized industrial vacuum cleaner designed for precise and delicate cleaning tasks. Its robust construction and advanced filtration system make it ideal for environments requiring high-performance cleaning without disturbing sensitive materials, such as museums, archives, and pharmaceutical laboratories. This vacuum features a variable speed control, allowing operators to adjust suction power from 0 to 100% to suit various cleaning needs. It is equipped with a micro tool kit for accessing tiny cracks and spaces, ensuring thorough cleaning in intricate areas.

## 2. IMPORTANT SAFETY INSTRUCTIONS

To ensure safe operation and prevent injury or damage, always adhere to the following safety guidelines:

- Read and understand all instructions in this manual before operating the vacuum cleaner.
- Ensure the power supply matches the voltage specified on the vacuum cleaner's rating label (110/120V).
- Always unplug the vacuum cleaner from the electrical outlet before performing any maintenance, cleaning, or when not in use.
- Do not operate the vacuum cleaner with a damaged cord or plug. If damaged, contact qualified service personnel.
- Do not use the vacuum cleaner to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Keep hair, loose clothing, fingers, and all parts of the body away from openings and moving parts.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not immerse the vacuum cleaner in water or use it outdoors or on wet surfaces. This unit is designed for indoor use only.
- Exercise extra care when cleaning on stairs.
- Store the vacuum cleaner indoors in a dry place.

## 3. SETUP AND ASSEMBLY

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### 3.1 Unpacking

Carefully remove all components from the packaging. Inspect the vacuum cleaner and accessories for any signs of damage. Retain the packaging for future storage or transport.

### 3.2 Component Identification

Familiarize yourself with the main parts of your Nilfisk GM 80 Museum Vacuum:

- Main Unit (Canister)
- Suction Hose
- Extension Wands
- Floor Nozzle
- Micro Tool Kit (various small nozzles)
- Filter Bag
- HEPA Filter
- Variable Speed Control Box

### 3.3 Assembly Steps

1. **Install the Filter Bag:** Open the canister lid. Ensure a new filter bag is securely seated within the dust container. Close the lid firmly.
2. **Check HEPA Filter:** Verify that the HEPA filter is correctly installed in its designated compartment. Refer to the 'Maintenance' section for details on filter installation.
3. **Attach Suction Hose:** Insert the end of the suction hose into the inlet port on the main unit until it clicks securely into place.
4. **Connect Extension Wands:** Connect the extension wands to the handle end of the suction hose. Twist gently to secure.
5. **Attach Nozzle:** Select the appropriate nozzle (e.g., floor nozzle or a tool from the micro tool kit) and attach it to the end of the extension wands.



*Image: Nilfisk GM 80 Museum Vacuum with its main components laid out for assembly.*

## 4. OPERATING INSTRUCTIONS

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### 4.1 Power Connection

Plug the power cord into a grounded 110/120V electrical outlet. Ensure the cord is not pinched or routed in a way that could cause a tripping hazard.

### 4.2 Powering On/Off

To turn the vacuum cleaner ON, press the 'Push Button' power switch located on the main unit. To turn it OFF, press the same button again.

### 4.3 Adjusting Suction Power

The Nilfisk GM 80 features a variable speed control box. To adjust the suction power, rotate the dial on the control box. You can set the airflow from 0% (minimum) to 100% (maximum) of the machine's power, allowing for precise control over the vacuum's intensity, which is crucial for cleaning delicate items.

### 4.4 Using Attachments

- **Floor Nozzle:** Use for general cleaning of hard floors, carpets, and larger surfaces.
- **Micro Tool Kit:** This kit contains specialized small tools designed for cleaning in tiny cracks, crevices, and around fragile artifacts or components. Select the appropriate tool for the specific task.



*Image: Nilfisk GM 80 Museum Vacuum being used, highlighting the variable speed control dial.*

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your Nilfisk GM 80 Museum Vacuum. Always unplug the unit before performing any maintenance.

### 5.1 Emptying the Dust Container

The vacuum has a 3.25-gallon container capacity. Empty the dust container when it is full or when suction power noticeably decreases. Open the canister lid, carefully remove the full filter bag, and dispose of it according to local regulations. Install a new filter bag before resuming operation.

### 5.2 Replacing the Filter Bag

The filter bag is a critical component for collecting debris and protecting the motor. Replace the filter bag regularly, especially when cleaning fine dust or when the bag is full. Use only genuine Nilfisk replacement filter

bags.

5.3 HEPA Filter Maintenance

The HEPA filter provides superior filtration, capturing 99.97% of particles down to 0.3 microns. Periodically inspect the HEPA filter for dirt and damage. While HEPA filters are not typically washable, some can be gently brushed clean. Replace the HEPA filter annually or more frequently depending on usage and the type of debris collected. Refer to the filter's specific instructions for cleaning or replacement.

5.4 General Cleaning

Wipe the exterior of the vacuum cleaner with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all parts are dry before reassembly and storage.



Image: Nilfisk GM 80 Museum Vacuum with the canister lid open, showing access to the filter bag and HEPA filter.

6. TROUBLESHOOTING

Before contacting customer support, refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
Vacuum does not turn on	No power to the outlet; Power cord not securely plugged in; Power switch faulty.	Check the power outlet with another appliance; Ensure the power cord is fully inserted; Contact customer support if the switch is faulty.
Low or no suction	Dust container full; Filter bag full or clogged; HEPA filter clogged; Hose or nozzle blocked; Variable speed set too low.	Empty or replace the filter bag; Clean or replace the HEPA filter; Check hose and nozzles for obstructions; Increase the variable speed setting.
Unusual noise during operation	Obstruction in the fan or motor area; Loose components.	Immediately turn off and unplug the vacuum. Inspect for obstructions. If noise persists, contact customer support.
Dust escaping from vacuum	Filter bag not installed correctly or damaged; HEPA filter not sealed or damaged; Canister lid not closed properly.	Ensure filter bag is correctly installed and undamaged; Check HEPA filter for proper seating and damage; Close canister lid securely.

## 7. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Nilfisk
Model Name	B660108
Product Dimensions (L x W x H)	16" x 12" x 16"
Item Weight	26 pounds
Capacity	3.25 Gallons
Power Source	Corded Electric (110/120V)
Filter Type	HEPA Filter, Bag
Control Method	Touch (Push Button, Variable Speed Dial)
Number of Power Levels / Speeds	100 (Variable)
Recommended Uses	Museum, Desk, Furniture, Hard Floor, Home, Tile Floor
Indoor/Outdoor Usage	Indoor

## 8. WARRANTY AND CUSTOMER SUPPORT

## 8.1 Warranty Information

Please note that this product is sold without a manufacturer's warranty. For specific details regarding any retailer or third-party seller warranties, please refer to your purchase documentation.

## 8.2 Customer Support

For technical assistance, replacement parts, or further inquiries, please contact your authorized Nilfisk dealer or the retailer from whom you purchased the product. Have your model number (B660108) and purchase information ready when contacting support.