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> BOSCH VAC090AH 9-Gallon Dust Extractor User Manual

Bosch VAC090AH

BOSCH VAC090AH 9-Gallon Dust Extractor User Manual

Model: VAC090AH | Brand: Bosch

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your BOSCH VAC090AH 9-Gallon Dust Extractor. Please read all instructions carefully before use and retain this manual for future reference.



Image: The BOSCH VAC090AH 9-Gallon Dust Extractor, showcasing its compact design and hose storage.

2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This dust extractor is designed for professional use and compliance with OSHA silica dust regulations.

General Safety Warnings:

- Read all instructions before operating the appliance.
- Do not leave the appliance unattended when plugged in. Unplug from outlet when not in use and before servicing.
- Do not use outdoors or on wet surfaces.

- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or appliance with wet hands.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not use without dust bag and/or filters in place.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- (1) HEPA Flat Filter
- (1) VAC090AH 9-Gallon Dust Extractor Unit
- (1) VB090F Fleece Filter Bag
- (1) VH1035 9.85 Ft. Vacuum Hose
- (1) VX100 Bend Nozzle
- (1) VX120 Power Tool Adapter Nozzle

4. KEY FEATURES

The BOSCH VAC090AH Dust Extractor is equipped with several features designed for efficiency and compliance:

- **Automatic Filter Cleaning (AFC):** Cleans the filter every 15 seconds to maintain maximum suction power.
- **HEPA Filter:** Captures 99.97% of particles at 0.3 microns or larger, ensuring high air quality.
- **Fleece Filter Bag:** Protects the main filter and provides optimal containment for dry dust and debris.
- **Power Tool Activation:** Allows the connected power tool to activate the dust extractor automatically.
- **Power Broker Dial:** Adjusts the suction force to match the specific application requirements.
- **OSHA Silica Table 1 Compliance:** Part of the Bosch PRO+GUARD system, designed to help users meet OSHA regulations for silica dust.
- **High Airflow and Suction:** Delivers a maximum 150 CFM and 97 inches of static water lift.



Image: Diagram highlighting key features such as Power Tool Activation, HEPA Filter, Automatic Filter Cleaning, and Power Broker Dial.

5. SETUP

5.1 Unpacking and Initial Inspection

1. Carefully remove all components from the packaging.
2. Inspect the unit and all accessories for any signs of damage. Do not operate if damaged.
3. Ensure all listed package contents are present.

5.2 Installing the Fleece Filter Bag

1. Open the dust extractor by releasing the latches and lifting the motor head.
2. Position the VB090F Fleece Filter Bag inside the canister, ensuring the opening aligns with the inlet port.
3. Secure the bag collar around the inlet port to prevent dust leakage.
4. Replace the motor head and secure the latches.



Image: A person installing a fleece filter bag into the dust extractor canister.

5.3 Connecting the Vacuum Hose

1. Attach the VH1035 9.85 Ft. Vacuum Hose to the inlet port on the front of the dust extractor. Ensure a secure connection.
2. Connect the appropriate nozzle (VX100 Bend Nozzle or VX120 Power Tool Adapter Nozzle) to the other end of the hose, depending on your application.



Image: Close-up view of the vacuum hose securely connected to the dust extractor's inlet port.

6. OPERATION

6.1 Powering On and Off

1. Plug the dust extractor into a suitable power outlet.
2. Turn the main power switch to the "ON" position.
3. To turn off, switch the main power switch to the "OFF" position and unplug the unit.



Image: Detailed view of the control panel, including the power switch, Power Broker dial, and Automatic Filter Cleaning (AFC) indicator.

6.2 Using Power Tool Activation

The dust extractor features a power outlet for connecting power tools, allowing the extractor to turn on and off automatically with the tool.

1. Plug your power tool into the integrated power outlet on the dust extractor.
2. Set the dust extractor's power switch to the "Power Tool Activation" mode (indicated by a tool icon).
3. When you activate your power tool, the dust extractor will automatically turn on. It will turn off a few seconds after the power tool is switched off.



Image: A worker using the BOSCH VAC090AH dust extractor connected to a concrete grinder, demonstrating power tool activation in a construction setting.

6.3 Adjusting Suction with Power Broker Dial

The Power Broker dial allows you to optimize suction power for different applications.

- Rotate the Power Broker dial to increase or decrease the suction force.
- Higher settings are suitable for heavy dust extraction, while lower settings can be used for lighter debris or to reduce noise.



Image: A person using the BOSCH VAC090AH dust extractor connected to a jigsaw during a woodworking task, illustrating its versatility.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your dust extractor.

7.1 Automatic Filter Cleaning (AFC)

The AFC system automatically cleans the filter every 15 seconds during operation. This feature helps maintain consistent suction power. The AFC function can be disabled via a button on the control panel if desired, though it is recommended to keep it active for optimal filter performance.

7.2 Replacing the Fleece Filter Bag

The fleece filter bag should be replaced when it is full or when suction power noticeably decreases, even with AFC active.

1. Unplug the dust extractor from the power outlet.
2. Release the latches and remove the motor head.
3. Carefully remove the full fleece filter bag, sealing its opening to prevent dust escape.
4. Dispose of the full bag according to local regulations.
5. Install a new VB090F Fleece Filter Bag as described in Section 5.2.
6. Replace the motor head and secure the latches.

7.3 Cleaning the HEPA Flat Filter

While the AFC system cleans the HEPA filter, periodic manual inspection and cleaning may be necessary, especially after prolonged use with very fine dust.

1. Unplug the dust extractor.
2. Remove the motor head.
3. Locate and carefully remove the HEPA flat filter.
4. Gently tap the filter to dislodge dust or use a soft brush. Do not wash the HEPA filter with water unless specifically instructed by Bosch, as this can damage the filter media.
5. Reinstall the clean HEPA filter, ensuring it is properly seated.
6. Replace the motor head and secure the latches.

8. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
No power	Unit unplugged; tripped circuit breaker; faulty power cord/switch.	Check power connection; reset circuit breaker; contact service if cord/switch is faulty.
Low suction power	Full filter bag; clogged hose/nozzle; dirty HEPA filter; improper seal.	Replace filter bag; clear obstructions from hose/nozzle; clean HEPA filter; ensure motor head is latched securely.
Dust escaping from unit	Improperly installed filter bag; damaged filter; loose motor head.	Reinstall filter bag correctly; inspect/replace damaged filter; ensure motor head latches are secure.
Power tool activation not working	Dust extractor not in correct mode; power tool not plugged in; faulty power tool outlet.	Set extractor to "Power Tool Activation" mode; ensure power tool is securely plugged in; contact service if outlet is faulty.

9. SPECIFICATIONS

- **Model:** VAC090AH
- **Capacity:** 9 Gallons
- **Maximum Airflow:** 150 CFM (Cubic Feet per Minute)
- **Maximum Static Water Lift:** 97 Inches
- **Filter Type:** HEPA Flat Filter (captures 99.97% of particles at 0.3 microns or larger)
- **Automatic Filter Cleaning:** Yes, every 15 seconds
- **Power Tool Activation:** Yes
- **Power Broker Dial:** Yes
- **Included Components:** HEPA Flat Filter, VAC090AH Dust Extractor, Fleece Filter Bag (VB090F), Vacuum Hose (VH1035), Bend Nozzle (VX100), Power Tool Adapter Nozzle (VX120)
- **Product Dimensions:** 20.5"L x 14.5"W x 22.6"H
- **Item Weight:** 28 pounds
- **Noise Level:** 60 Decibels (typical operation)
- **Manufacturer:** Bosch

10. WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please refer to the official Bosch website or contact Bosch customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

- **Online Support:** Visit the official Bosch Tools website for FAQs, manuals, and service center locations.
- **Customer Service:** Refer to the contact information provided with your product packaging or on the Bosch website for phone or email support.