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WEN 3410

WEN 3410 3-Speed Remote-Controlled Air Filtration System User Manual

Model: 3410 | Brand: WEN

INTRODUCTION

The WEN 3410 3-Speed Remote-Controlled Air Filtration System is designed to improve air quality in workshops and similar environments by effectively removing airborne dust and particulates. This system circulates air through a two-stage filtration process, capturing contaminants and releasing cleaner air. It features a powerful 1/6 HP motor and is controllable via an included RF remote.

KEY FEATURES

- Includes a 1-micron inner filter and a 5-micron outer pre-filter, both easily replaceable.
- Air flow rates of 300, 350, and 400 cubic feet per minute (CFM).
- Effectively covers rooms up to 400 sq ft.
- Features a programmable timer that automatically shuts the unit off after a set number of minutes.
- Remote control allows users to set the timer, change speed, and power the unit on and off from up to 26 feet away.
- RF remote system enables operation from any angle of the room, even if direct line of sight is obstructed.
- Operates quietly with a noise rating of 50 to 60 dB.
- Lightweight design (31 pounds) with an attached carrying handle and eyebolts for easy mobility, mounting, and installation.

SETUP

Proper installation is crucial for optimal performance and safety. The WEN 3410 Air Filtration System is designed for ceiling-mounted operation in workshops or garages.

1. **Unpacking:** Carefully remove the air filtration system and all components from the packaging. Verify all parts are present: main unit, remote control, four eye bolts, four chains, and four ceiling hooks.
2. **Prepare for Hanging:** Locate the four pre-drilled holes on the top of the unit. Screw the four eye bolts into these holes.
3. **Locate Ceiling Joists:** Use a stud finder to locate ceiling joists or sturdy wooden beams in your desired installation area. Mark four points on the ceiling that align with the eye bolts on the unit. Ensure these points

are securely within the joists.

4. **Install Ceiling Hooks:** Pre-drill pilot holes at the marked locations in the ceiling joists. Screw the four ceiling hooks firmly into these pilot holes until they are secure.
5. **Hang the Unit:** Attach one end of each chain to an eye bolt on the unit and the other end to a corresponding ceiling hook. Adjust the chain length to achieve the desired height, ensuring the unit is level and stable. The unit should be mounted at a height that allows for effective air circulation without obstructing movement.
6. **Power Connection:** Plug the unit's power cord into a standard 120V, 60 Hz, 1A electrical outlet.



Image: The WEN 3410 Air Filtration System, showing the top with pre-installed eye bolts for hanging.



Image: Side view of the WEN 3410 Air Filtration System with the filter access panel open, revealing the internal filters.

Video: An official WEN video demonstrating the features and setup of the WEN 3410 Air Filtration System, including its remote control and filter system.

OPERATING INSTRUCTIONS

The WEN 3410 Air Filtration System can be operated using either the control panel on the unit or the included RF remote control.

Control Panel Operation:

- **Power On/Off:** Press the green 'ON/SPEED' button to turn the unit on. Press the red 'OFF' button to turn it off.
- **Adjust Speed:** Repeatedly press the green 'ON/SPEED' button to cycle through the three fan speeds: Low (LO), Medium (MID), and High (HI). Corresponding indicator lights will illuminate.
- **Set Timer:** Use the timer buttons (1H, 2H, 4H) to set the unit to run for 1, 2, or 4 hours respectively before automatically shutting off.

Remote Control Operation:

The RF remote control allows for convenient operation from anywhere within a 26-foot range, even without direct line of sight.

- **Power On/Off:** Press the red 'OFF' button to turn the unit off. Press the green 'ON/SPEED' button to turn it on.
- **Adjust Speed:** Press the green 'ON/SPEED' button repeatedly to cycle through Low, Medium, and High fan speeds.
- **Set Timer:** Use the yellow 'TIME' button to cycle through the timer settings (1H, 2H, 4H). The unit will automatically shut off after the selected duration.



Image: Close-up of the WEN 3410 Air Filtration System's control panel, showing the power, speed, and timer buttons, along with the included remote control.

MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your air filtration system. The filters are designed for easy replacement and cleaning.

Filter Replacement and Cleaning:

The WEN 3410 uses a two-stage filtration system: a 5-micron outer pre-filter and a 1-micron inner filter. Both are designed to be easily replaced.

1. **Power Off:** Always turn off and unplug the unit before performing any maintenance.
2. **Access Filters:** Locate the filter access panel on the side of the unit. Unlatch the clips and open the panel.
3. **Remove Outer Pre-Filter:** Gently slide out the 5-micron outer pre-filter. This filter can often be cleaned by shaking off dust or using compressed air. However, it should be replaced periodically, especially if heavily soiled.
4. **Remove Inner Filter:** Behind the pre-filter, you will find the 1-micron inner filter. Carefully remove it. This filter is typically not cleanable and should be replaced when it becomes dirty.

5. **Install New Filters:** Insert the new 1-micron inner filter first, ensuring it is properly seated. Then, slide in the new or cleaned 5-micron outer pre-filter.
6. **Close Panel:** Securely close the filter access panel and latch the clips.

The frequency of filter replacement depends on usage and the dustiness of your environment. Regularly inspect filters for buildup.



Image: The WEN 3410 Air Filtration System with the outer 5-micron filter partially removed, showing the inner filter compartment.

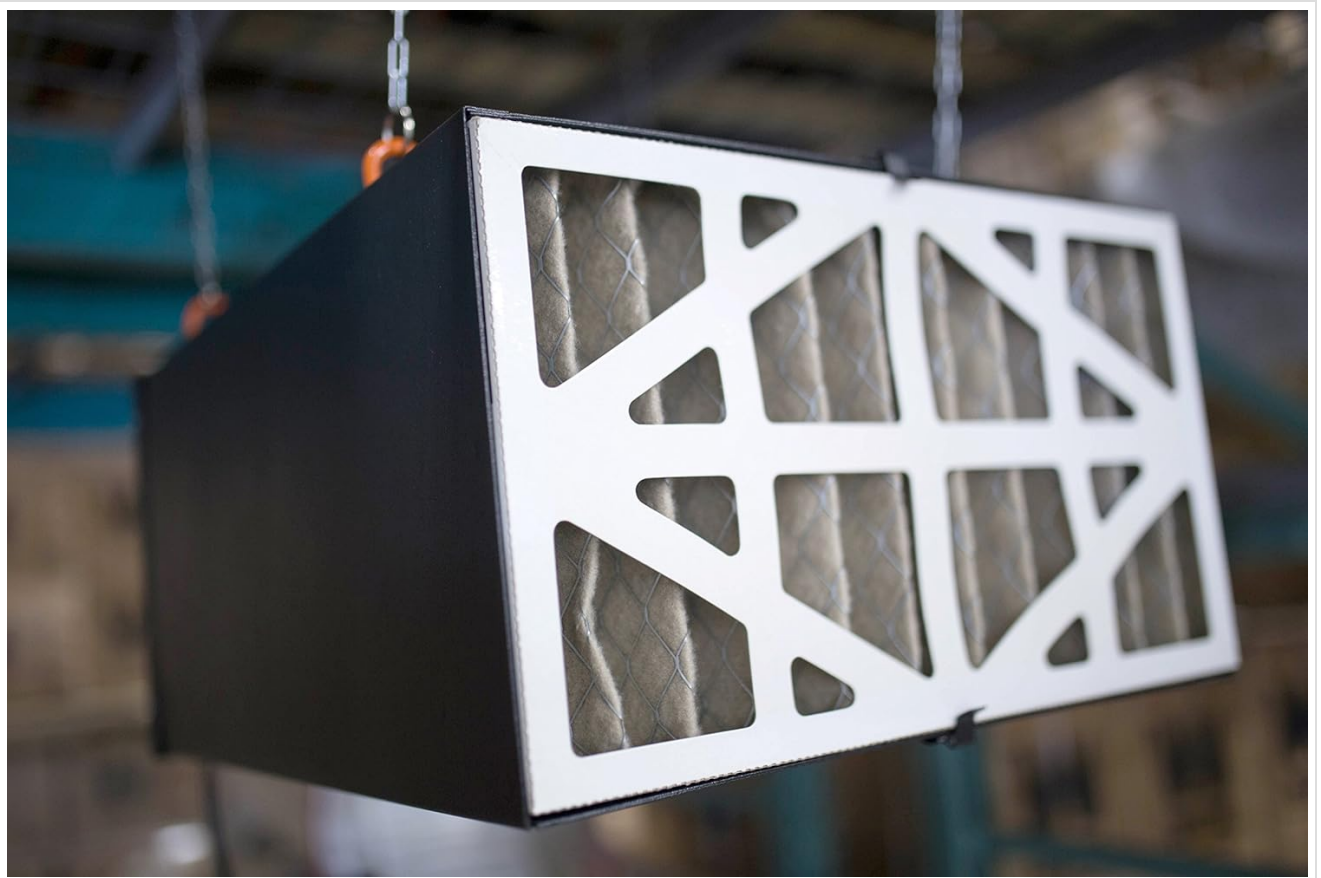


Image: A view inside the WEN 3410 Air Filtration System, highlighting the 1-micron inner filter.



Image: A close-up view of the filter material, showing its fibrous texture designed to capture fine particles.

TROUBLESHOOTING

If your WEN 3410 Air Filtration System is not operating as expected, consider the following common issues:

- **Unit does not turn on:** Ensure the power cord is securely plugged into a working electrical outlet. Check the fuse on the control panel and replace if blown. Verify the remote control batteries are not depleted.
- **Reduced airflow:** This is most commonly caused by clogged filters. Inspect both the outer pre-filter and the inner filter. Clean or replace them as necessary.
- **Unusual noise:** Check for any obstructions in the fan or filter areas. Ensure the unit is securely mounted and not vibrating against any surfaces.
- **Remote control not working:** Replace the batteries in the remote control. Ensure there are no major obstructions between the remote and the unit, although the RF signal is designed to work without direct line of sight.

For persistent issues, refer to the Warranty and Support section for contact information.

SPECIFICATIONS

Specification	Value
Model Number	3410
Product Dimensions (L x W x H)	17"D x 20.5"W x 10"H
Item Weight	31 pounds
Electrical Requirements	120V, 60 Hz, 1A

Air Flow (CFM)	300 / 350 / 400
Covered Room Area	Up to 400 sq ft
Noise Rating	50-60 dB
Filter Type	1-micron inner filter, 5-micron outer pre-filter
Controller Type	Remote Control (RF)
Material	Metal

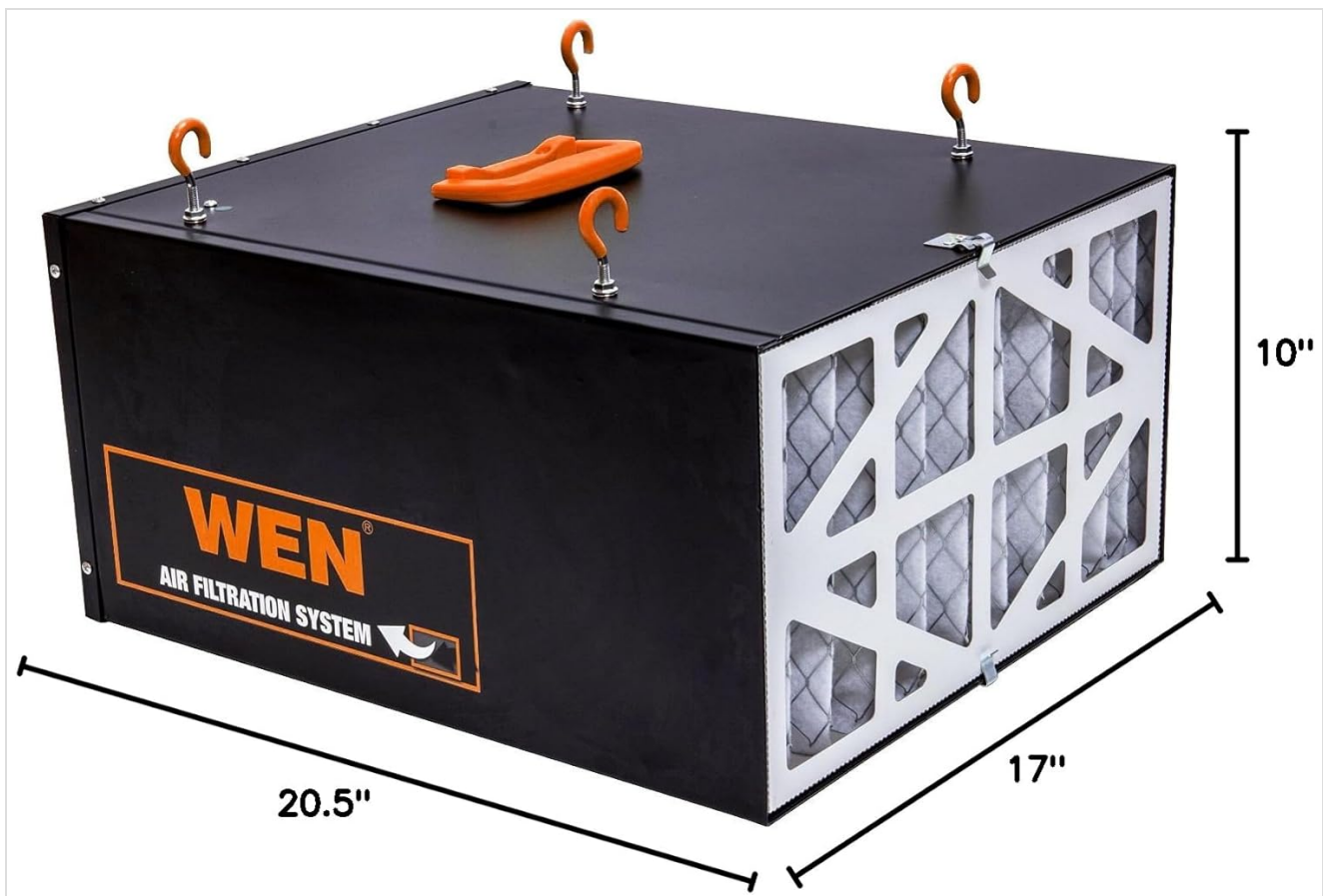


Image: Diagram showing the dimensions of the WEN 3410 Air Filtration System: 17 inches deep, 20.5 inches wide, and 10 inches high.

WARRANTY AND SUPPORT

The WEN 3410 3-Speed Remote-Controlled Air Filtration System is backed by a two-year warranty. For technical assistance, customer service, or warranty claims, please contact WEN directly.

- **Manufacturer:** Great Lakes Tool MFG INC
- **Warranty Description:** 2-year warranty
- **Support:** Refer to the official WEN website or product documentation for contact details and a nationwide network of experienced technicians.

Related Documents - 3410



[WEN DC1300 Woodworking Dust Collector Instruction Manual](#)

Comprehensive instruction manual for the WEN DC1300 Woodworking Dust Collector, detailing safety guidelines, assembly steps, operational procedures, maintenance, specifications, and warranty information. Essential guide for safe and effective use.



[WEN MSA1621 Scroll Saw Stand: Assembly, Safety, and Operation Manual](#)

Comprehensive instruction manual for the WEN MSA1621 Scroll Saw Stand, covering safety guidelines, unpacking, assembly instructions, mounting procedures, parts list, and warranty information. Designed for woodworking enthusiasts.



[WEN DPA2513 Drill Press Table Instruction Manual | Assembly, Safety, Specifications](#)

Official instruction manual for the WEN DPA2513 Drill Press Table. Provides detailed information on safety, assembly, operation, specifications, parts list, and warranty.



[WEN 56250i 2500W Portable Inverter Generator Instruction Manual](#)

Comprehensive instruction manual for the WEN 56250i 2500-Watt Portable Inverter Generator. Learn about safety, preparation, operation, maintenance, and troubleshooting for your WEN generator.



[WEN MB500 Universal Mobile Base: Assembly, Operation, and Warranty](#)

Comprehensive guide for the WEN MB500 500-pound capacity universal mobile base, covering technical specifications, safety guidelines, assembly instructions, operation, and warranty information.



[WEN 20V 5Ah Lithium-Ion Battery Instruction Manual](#)

Official instruction manual for the WEN 20V 5Ah Lithium-Ion Battery (Model 20205), covering safety, operation, maintenance, and warranty information. Learn how to safely charge, use, and care for your WEN battery.