



WHISPER™

Aerovex Systems® Whisper MiniVent™ Source Capture System User Manual



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Leading Manufacturer of Salon Ventilation Equipment

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About the Whisper MiniVent™

The Whisper MiniVent™ from Aerovex Systems® effectively removes and captures contaminants present in nail salons. Designed specifically for nail professionals, it features an ultra-compact footprint and whisper-quiet operation that won't disrupt the salon environment.

The system captures dust particles, chemical vapors, and VOCs directly at the workstation. With its included exhaust hose, the MiniVent™ vents contaminants to the outside, ensuring pollutants are completely removed from the indoor environment.

By preventing inhalation of air pollutants at the source, the Whisper MiniVent™ protects the respiratory health of nail technicians and their clientele while meeting IMC code standards for nail salon ventilation.

Key Features

- **Extremely Quiet** - Less than 45 decibels, well below normal conversational volume. Designed specifically for environments where tranquility is key. Designed specifically to be the quietest source capture system on the market for salon professionals.
- **Compact Footprint** - 42% smaller than other source capture systems. Maximizes workspace efficiency.
- **High-Capacity Dust Filter** - Captures dust particles at the source while ensuring maximum airflow and preventing particulate matter from entering the exhaust stream.
- **High Airflow** - 265 CFM per inlet on single-arm units; 132 CFM per inlet on dual-arm units, meeting IMC Section 502.16 code requirements for nail salons.
- **Easy to Use** - 10-speed digital speed control with wireless remote. Built-in caster wheels and handles for easy maneuverability and portability.
- **Flexible Configuration** - Available with one or two extraction arms.
- **Color Options** - Available in White, Gray, and Pink.
- **Optional LED Lighting** – Available integrated LED light at the capture hood provides workspace illumination.
- **IMC Code Compliant** - Meets International Mechanical Code Section 502.16, Table 502.16 requirements for nail salon ventilation systems.

Technical Specifications

Model Number	AVS-SCS-M
Rated Voltage	AC110V
Power Consumption	300W / 2 Amps
Weight	31 lbs.
Cabinet Dimensions	15 W × 9" D × 16" H
Hose Length	35" compressed / 43.5" extended
Extraction Hose Diameter	2"
Capture Hood Dimensions	7" × 2.5" (Rectangle) 4" dia. (Round)
Filter Efficiency	0.3 μm 99.97%
Airflow (Single Inlet)	265 CFM per inlet
Airflow (Dual Inlet)	132 CFM per inlet
Noise Level	Under 45 dB (below normal conversational volume)
Exhaust Port	4-inch diameter for standard ductwork connection
Exhaust Hose (Included)	4" diameter by 10 feet, included for venting to the outside
Colors Available	White, Pink, and Gray

Hi-Capacity Dust Filter

This deep pocket filter captures dust particles at the source while ensuring maximum airflow and preventing particulate matter from entering the exhaust stream.

Filter Maintenance

The Whisper™ filters are extremely easy to access and change when needed, and no tools are required. The filters should be changed every 4 to 6 months to maintain optimal system efficiency.

Aerovex Systems' Loyalty Rewards Program helps maintain a proper filter maintenance schedule and enables you to earn rewards points towards future orders. The program is provided at no additional cost or commitment and extends the warranty on the Whisper from 1 year to a full 3 years for all parts and labor.

Installation & Use Instructions

Extraction Hose Installation

1. Remove the extraction hose(s) from the packaging and attach to the duct flange on top of the unit.
2. Position the extraction arm 6-8 inches from the work area for optimal capture of dust and vapors.
3. LED Light Installation (Optional) - Remove top cover, route LED power wire through intake port, connect to LED-enabled extraction arm, and replace cover.

Attaching the Exhaust Duct

1. Locate the 4" exhaust port on the side of the Whisper MiniVent™ unit. Slide one end of the included 10-foot exhaust hose over the exhaust port opening and secure the connection with a hose clamp (provided) to ensure a tight friction fit.
2. Route the exhaust hose to your chosen exterior venting location, avoiding sharp bends or kinks that may restrict airflow. Secure the opposite end of the hose to your exterior vent termination point, ensuring a weather-tight seal. Verify all connections are secure before operating the unit.

Machine Operating Instructions

Plug unit in and check if the power plug is properly fit into the socket. Turn on the power switch.

Adjust fan speed to your desired airflow/suction.

Control Panel Features

Air Flow Up Button

Press this button while the machine is running to increase airflow speed in increments of 10. The maximum setting is 100, which indicates full speed operation.

Air Flow Down Button

Press this button while the machine is running to decrease airflow speed in increments of 10.

Confirm/Set Button

Press this button to silence the alarm when the buzzer sounds. When no alarm is active, press this button to view the total machine operating hours.

Panel Lock-up

Press this button on the remote when the machine is working, all function keys on the machine control panel will be locked. Press again or reboot the machine to unlock.

Troubleshooting

⚠ WARNING: Make sure the power is switched off and unplugged before inspecting or repairing the machine!

Problem 1: Weak Airflow

Symptoms: The machine still works, but the air flow is very weak, and suction power is greatly reduced.

Cause: Air inlet is blocked or foreign body exists inside the duct. The filter becomes saturated and hence gets blocked and gives an alarm.

Solution: Turn off the power and open the top cover. Check for any debris blocking the air inlet or vent. If suction power is normal when the machine runs empty, the filters need replacement.

Problem 2: Automatic Shutdown

Symptoms: The machine shuts down automatically shortly after startup. Restarting the machine does not resolve the issue.

Cause: The air flow through the machine is obstructed. As a result, the machine will shut down automatically for self-protection.

Solution: Turn off the power and open the top cover. Check for any debris blocking the air inlet. Set the speed control to the lowest setting and restart the machine. The unit should now operate normally.

Problem 3: No Power

Symptoms: Power switch is ON, but machine does not run and the power indicator does not light up.

Cause: The fuse might be bad.

Solution: The fuse needs to be replaced by performing the following steps:

1. Turn off the power and access extra fuse found in fuse tray
2. Remove spent fuse
3. Prepare the spare fuse
4. Install spare fuse

High-Capacity Dust Filter - Use and Maintenance

The high-capacity dust bag filter captures dust particles at the source while maintaining optimal airflow performance. During normal operation, the filter collects particulate matter and prevents it from entering the exhaust stream.

Maintenance

The dust filter can be periodically vacuumed to extend its service life and maintain airflow efficiency. Alternatively, the filter bag can be emptied when dust accumulation becomes visible.

Filter Replacement

Replace the dust filter every 4-6 months or sooner if it becomes saturated. A saturated filter will reduce airflow performance and compromise the system's effectiveness. Signs of saturation include reduced suction at the inlet or visible dust accumulation that cannot be removed through vacuuming.

Note: Disposal of used filters should comply with local waste regulations for nail salon debris.

**Whisper MiniVent™
Replacement Filter*



Contact Us

To learn more or to order, contact Aerovex Systems today!

Phone: 1-800-288-2023

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Website: www.aerovexsystems.com

AEROVEX SYSTEMS®

Leading manufacturer of salon ventilation equipment designed to protect the respiratory health of salon professionals and their clientele, and to ensure a safe & comfortable fresh air salon environment.

