



WHISPER™

Aerovex Systems® Whisper™ Source Capture System User Manual



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Leading Manufacturer of Salon Ventilation Equipment

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About the Whisper™

The Whisper™ Source Capture System from Aerovex Systems® effectively removes and captures contaminants present in nail salons and lash studios. Designed specifically for beauty professionals, it features a compact footprint and whisper-quiet operation that won't disrupt the salon environment.

For nail services, the system captures dust particles, chemical vapors, and VOCs. For lash services, it captures cyanoacrylate (CA) adhesive vapors. All contaminants are extracted at the source, preventing overexposure for both technicians and clients.

By preventing inhalation of air pollutants at the source, the Whisper™ Source Capture System protects the respiratory health of nail and lash technicians and their clientele.

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** - Over 30% smaller than other source capture systems. Maximizes workspace efficiency.
- **4-Stage Filtration System** - Removes and captures particulate matter, chemical vapors, and other VOCs from the breathing zone.
- **High-Grade Activated Carbon** - 9 lbs. total (3 lbs. in first stage, 6 lbs. in main filter) for superior VOC adsorption.
- **High Airflow** - 194 CFM per inlet on single-arm units; 97 CFM per inlet on dual-arm units.
- **Easy to Use** - 10-speed digital speed control with wireless remote. Built-in caster wheels 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.

Technical Specifications

Model Number	AVS-SCS
Rated Voltage	AC110V
Power Consumption	220W / 2 Amps
Weight	31 lbs.
Cabinet Dimensions	16.75" W × 10" D × 17" 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)	194 CFM per inlet
Airflow (Dual Inlet)	88 CFM per inlet
Noise Level	Under 45 dB (below normal conversational volume)
Colors Available	White, Pink, and Gray

4-Stage Filtration System

Using a 4-stage filtration system, the Whisper™ Source Capture System effectively eliminates particles and vapors from the breathing zone of the user and their clients.

Stage 1: Pre-Filter (Washable)

Pre-filter traps any large particulate matter in the air stream, protecting subsequent filtration stages. Each unit includes (2) pre-filters to prevent down time while washing.

Stage 2: HEPA Filter

HEPA filter for removal of microscopic particles with high-efficiency filtration technology.

Stage 3: 1st Stage Carbon Filter

Contains 3 lbs. of high-grade activated carbon, this filter is the first stage in removing VOC vapors.

Stage 4: Main Activated Carbon Filter

Containing an additional 6 lbs. of high-grade activated carbon, this final filter adsorbs remaining VOCs.

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.

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

Filter Use & Maintenance - Detailed Instructions

The Whisper uses disposable filtering stages. These filters must be replaced periodically to maintain optimal purification performance (typically every 4-6 months).

1. Pre-Filter

Installation: Place the pre-filter on top of the HEPA filter with the rough side facing upward (toward the air inlet). Replace the pre-filter when accumulated dust reaches 70% capacity or when it can no longer be effectively cleaned.

2. HEPA Filter

Installation: With the tabs facing up, insert the HEPA filter and first stage carbon filter into the main filter housing. Clean the HEPA filter when dust accumulation noticeably reduces suction power. Replace the filter when cleaning no longer restores performance (typically 4-6 months).

3. First Stage Carbon Filter and Main Carbon Filter

Installation: With the tabs facing up, place the first stage and main carbon filter at the bottom of the machine. Replace this filter where it can no longer effectively eliminate odors and chemical vapors (typically 4-6 months).



**Whisper filter
replacement set*



Contact Us

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

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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.

