

# AIRVAC

air vacuum corporation

*The World Leader*

*in Engine Exhaust Removal Systems*



**AIRVAC 911<sup>®</sup> Engine Exhaust Removal System**

*for the Fire and EMS Industry*

**AIRVAC**  
911  
Engine Exhaust Removal System

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# The World's Leading Hands-Free, Hoseless System



Every day, your fire and EMS personnel work hard to save lives. Who is there to protect *them* from the hazards of harmful fire engine and ambulance diesel exhaust?

**We are.**

Air Vacuum Corporation is the world leader in engine exhaust removal for the fire and EMS industries. The AIRVAC 911® Engine Exhaust Removal System was designed specifically as a self-contained, affordable, attachment-free, fully automatic system for removing hazardous gases and particulate from fire station and EMS station work environments.

## The System Of Choice for Fire and EMS Departments Worldwide

Fire departments and EMS facilities know that exposure to high levels of diesel particulate and gases can cause symptoms of headache, dizziness and nausea, and are associated with an increased risk of lung cancer. For EMS facilities, diesel particulate can also contaminate medical equipment and potentially affect patients. Both industries need a system that is 100% effective, safe, cost-efficient, NFPA 1500 and OSHA compliant, and non-disruptive to daily operations. That's why they prefer the most technologically advanced system on the market today... the AIRVAC 911® Engine Exhaust Removal System.

**(ZERO interference with day-to-day operations.)**



## AIRVAC 911® Engine Exhaust Removal System Features and Benefits

The AIRVAC 911® Engine Exhaust Removal System is the most advanced and effective exhaust system available. It automatically removes the particulate and gases that are released within your building every time vehicles start up and return. Automatically activated and shut down by a UL certified "Smart Timer" control panel, it works independently of your vehicle, so there is no need for cumbersome hoses or vehicle hookups.

### *Benefits for Fire Departments:*

- ⇒ Removes gases, carcinogens and particulate
- ⇒ **No hoses, canisters, hook-ups or vehicle connections**
- ⇒ 100% self-contained and hands free
- ⇒ Fully-automatic
- ⇒ Highly affordable - 1/2 the cost of hose systems.
- ⇒ **Easy to install LEED/GREEN Design**
- ⇒ Highly user friendly, compact and quiet.
- ⇒ No changes or disruption to daily operations—non-structural
- ⇒ Environmentally friendly - No exhausting outdoors.
- ⇒ **Meets NFPA 1500, OSHA, IBOCA, EPA, GSA standards**
- ⇒ Energy efficient—no heating or cooling loss
- ⇒ Limited Maintenance - only periodic filter changes.
- ⇒ Reduces emergency response time—nothing to disconnect or unhook
- ⇒ **Only product on the market to remove engine "backwash"**
- ⇒ Made in the U.S.A.

### *Benefits for EMS Facilities:*

The same benefits as fire departments, plus

- ⇒ Maintains internal temperature to protect temperature-sensitive medical equipment
- ⇒ Provides clean, safe environment for workers and patients
- ⇒ Eliminates particulate residue or contaminants on medical equipment
- ⇒ Able to install within low-ceiling area
- ⇒ Reduces emergency response time—nothing to disconnect or unhook.
- ⇒ Flexible - vehicles may park in any bay.

# The World's Leading Hands-Free, Hoseless System



## Our System—What Sets It Apart

The AIRVAC 911° Engine Exhaust Removal System has many distinct advantages that make it the most unique and effective system on the market.

### *Manufacturer Direct*

The AIRVAC 911° Engine Exhaust Removal System is made in the U.S.A. It is the industry's original hose-less system manufactured and distributed directly by Air Vacuum Corporation. This means you not only cut the cost of the "middleman," you deal directly with the people who know the equipment inside and out.

### *Multi-Directional Airflow Design*

The AIRVAC 911° Engine Exhaust Removal System is the only hoseless system to have a Vertical & Horizontal Airflow Design that maximizes the particulate and gas removal from the breathing zone of the apparatus area. The industry's most effective airflow design, "the Coanda Airflow Design Principle" allows for 360 degree air movement throughout the area, continuously filtering the air and eliminating dead spots of exhaust. In head-to-head comparisons with horizontal systems, the AIRVAC 911° Systems Multi-Directional Air Flow pattern cleans air in a more uniform and natural pattern, at a higher efficiency than horizontal systems.

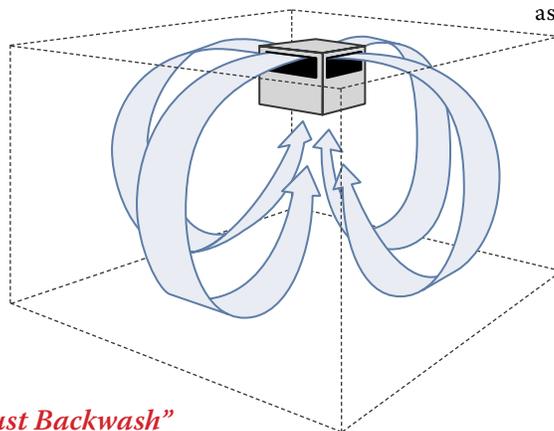
### *Only System to Eliminate "Exhaust Backwash"*

The AIRVAC 911° Engine Exhaust Removal System is the only system on the market to eliminate the problem of "exhaust backwash"—the exhaust fumes that re-enter the building as vehicles leave and return from their calls.



### *Four-Stage Filter Pack*

The AIRVAC 911° Engine Exhaust Removal System comes with four fully adjustable air return vents for maximum airflow. Filters include a three ply polyester pre-filter, a high efficiency particulate air filter (HEPA MAX 3000) UL rated at 95% to 99.97% efficiency, and a two stage carbon gas phase extractor (MULTISORB 3000) for both high weight molecular gases (benzene, octane, methanol and more) and a gas phase extractor to treat light weight gases (sulphur dioxide, nitrogen dioxide and formaldehyde). MERV ratings as high as 16 by ASHRAE Standard 52.2.



### *Best Warranty in the Industry*

The AIRVAC 911° Engine Exhaust Removal System comes with a five year warranty on all unit components excluding consumable filters, the strongest in the industry.

*For a free evaluation or proposal,*  
call **800-540-7264**, go to **www.airvac911.com**, or  
email us at **sales@airvacuumcorporation.com**



## Testimonials

*"One of the biggest benefits is that the AIRVAC 911® Engine Exhaust Removal system addresses the blast of exhaust received when the apparatus leaves the apron, or 'backwash.' Hose systems disconnect as the unit leaves the bay and do not capture the 'second' dump of fumes. Our white walls are clear, which tells me my folks are working in a safer environment."*

Ripon, CA.

*"The system is user-friendly, works without any manpower, and is always ready."*

Beachwood, NJ

*"As an ambulance service, we value having clean equipment and vehicles for our patients as well. The air in our vehicle bay actually feels better and smells better!"*

Bethel, VT

**FREE SITE SURVEY, PROPOSALS, GRANT ASSISTANCE AND SPECIFICATIONS.**

**Contact us today**



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