



# Vehicle Exhaust Collection Systems

 **Airflow**<sup>®</sup>  
SYSTEMS INC.

*Leading the way for clean air in the new millennium.*

# Vehicle Work Area Exhaust Solutions

Vehicle exhaust can quickly disrupt the operation of vehicle service facilities. If not controlled, vehicle exhaust can contribute to worker illness, increase facility maintenance expense, and harm the sensitive electronics of diagnostic and servicing equipment. The V.E.S., from Airflow Systems, Inc.<sup>®</sup> is a versatile, easy-to-use technology that provides for the collection and discharge of potentially harmful vehicle exhaust.



## Productive Answers to Employee Health Concerns

Government and industrial regulatory agencies are continually reviewing and revising the Permissible Exposure Level (PEL) of workers to harmful contaminants present in the workplace. As an employer, keeping up with these ever-changing standards can be difficult — and costly. The Airflow Systems V.E.S. can help. Airflow Systems V.E.S. units can extract exhaust directly from the vehicle and remove it from the work area. The Airflow Systems V.E.S. product line includes single units, portable units, multiple-bay systems, and facility-wide installations hard-ducted to a central exhaust system.

For information on prevention of work-related disease and injury, visit NIOSH at: [www.cdc.gov/niosh](http://www.cdc.gov/niosh). For standards and compliance information, visit [www.osha.gov](http://www.osha.gov)



## Improve Equipment Productivity, Reduce Facility Maintenance

Airflow Systems V.E.S. products are engineered to provide both environmental and economic function. Better engineering provides economic advantages such as lower maintenance and energy costs. Better engineering also improves the work environment; protecting workers and equipment from potentially hazardous contaminants. These combined economic and environmental benefits define environomics.

## Leaders In Industry and Innovation

Technological innovation and responsive customer service are what make Airflow Systems, Inc.<sup>®</sup> one of the leading air collection and filtration companies in the United States. Experience in hundreds of industrial and commercial markets drives the applications expertise behind the Airflow Systems V.E.S. product



The Airflow Systems V.E.S. helps protect workers and equipment from potentially harmful vehicle exhaust.

line. The Airflow Systems V.E.S. brings the advantages of environomics, such as increased productivity and reduced maintenance to your facility by collecting and controlling vehicle exhaust before it can migrate throughout service bays and into adjoining areas.

# Single & Dual Collection Hose Systems

Single and dual-bay facilities often resort to opening overhead doors and running fans for relief from the annoyance of vehicle exhaust. The Airflow Systems V.E.S. collects and removes exhaust rather than just re-circulating it within the facility. The Airflow Systems V.E.S. Hose System can be wall-mounted to meet a variety of application requirements. Boom extensions (not shown) are also available for convenient storage of V.E.S. Hose Systems when they are not in use. Boom extensions can also be used with remote blower operations. Available with 3 inch or 4.5 inch hose.



*Shown: Model VES-1 with 3 inch by 30 foot heavy duty exhaust hose, Balancer, and optional Oval Tailpipe Connector with Toggle Clamp and CO<sub>2</sub> Port.*

*Note: Model VES-4, with a 4.5 inch hose system, and Model VES-6 with a 6 inch hose system are also available.*

*The Hose Saddle enhances hose positioning in smaller spaces and reduces hose wear.*



## V.E.S. Hose Balancer



*The V.E.S. Spring-Loaded Hose Balancer provides for easy handling, maneuverability, and safe equipment storage. Includes Hose Saddle and Adjustable Stop Collar.*

*Shown: Model VES-2, 1/2 HP-BI with Rubber "Y" Adapter for dual vehicle exhaust and 3 inch Standard Tailpipe Connector. Two 3 inch by 30 foot heavy duty exhaust hoses.*

*Note: VES-2 comes standard with two Hose Balancers, not shown.*



*The optional Oval Tailpipe Connector with Toggle Clamp and CO<sub>2</sub> port offers quick-change flexibility with 3 inch and 4.5 inch hoses.*



*The Standard Tailpipe Connector snaps over 3 inch exhaust openings.*

## Optional Blower Assemblies

Model No.	Product Description
VES-1 or VES-2	1.5 HP. Please specify voltage, phase and Hz.

# Retractable Hose Reel and Portable Systems

High vehicle turn-over rates within multiple-bay operations demand high volume exhaust collection and trouble-free management of collection hose. Airflow Systems V.E.S. Retractable Hose Reels provide reliable hose management when the hose is not in use and easy accessibility when collection hose is needed. The V.E.S. Retractable Hose Reel System can be wall or ceiling mounted. The V.E.S. Retractable Hose Reel comes with either a 3, 4.5, or 6 inch Hose and Tailpipe Connector.



Shown: Model VES4-Reel Spring Retractable Hose Reel with hose guide, 1/2 HP motor in wall-mount configuration, and optional Oval Tailpipe Connector with Toggle Clamp.



V.E.S. Retractable Hose Reels feature heavy-duty construction for consistent performance and long service life.

## Optional Hose Reel Assemblies

Model No.	Product Description
VES3-Reel	Wall-mounted reel with 1/2 HP TEPC motor/blower 115/1/60Hz, 30 feet of 3 inch hose, and standard 3 inch Tailpipe Connector
VES4-Reel	Wall-mounted reel with 1/2 HP TEPC motor/blower 115/1/60Hz, 25 feet of 4.5 inch hose and standard 4.5 inch Tailpipe Connector
VES6-Reel	Wall-mounted reel with mounting bracket, 1.5 HP TEPC motor/blower 208-230/460/3/60Hz, 25 feet of 6 inch hose and 6 inch Truck Stack Connector

## Portable Exhaust Collection System

For exhaust collection applications where stationary systems cannot reach, the Airflow Systems V.E.S. Portable Collection System provides convenient, portable exhaust collection anywhere in the facility. The V.E.S. Portable Collection System includes stand and wheels, permitting easy, one-person maneuverability throughout a facility. The V.E.S. Portable Collection System provides 225 CFM of collection power and operates with standard 115V power.



Shown: The V.E.S. Portable Collection System with 3 inch Standard Tailpipe Connector, 3 inch by 30 foot hose, and a 24 foot, 12 gauge power cord.



Lightweight and easy to handle, the V.E.S. Portable Collection System is a practical solution for providing exhaust removal in areas where conventional systems cannot reach.

Model No.	Product Description
VES3-P-1/2HP	Portable Exhaust Collection System consisting of a 1/2 HP TEPC motor/blower 115/1/60Hz with stand/mounting bracket, 30 feet of 3 inch hose, and 3 inch twist lock Tailpipe Connector
VES4-P-1/2HP	Portable Exhaust Collection System consisting of a 1/2 HP TEPC motor/blower 115/1/60Hz with stand/mounting bracket, 25 feet of 4.5 inch hose, and 4.5 inch oval Tailpipe Connector

# Vehicle Exhaust Systems Accessories

## Tailpipe Connectors & Balancer



3 inch Standard Tailpipe Connector with twistlock for 3 inch hose.



3 inch Optional Oval Tailpipe Connector with Toggle Clamp and CO<sub>2</sub> Port.



4.5 inch Standard Oval Tailpipe Connector.



4.5 inch Optional Oval Tailpipe Connector with Toggle Clamp and CO<sub>2</sub> port.



3 inch by 3 inch by 3 inch Rubber "Y" Adapter. Snaps inside 3 inch hose.



6 inch Rubber Diesel Stack Connector.



5 inch Aluminum Tailpipe Connector for Trucks — side exhaust. Connects to 4.5 inch hose.



Hose Balancer made of powder coated steel secured by 1/2 inch bolts. 1-1/4 inch diameter steel pipe adds rigidity. Outer drum constructed of 16 gauge steel.

### Optional Remote Mounted Blowers For Central Systems (Remote Mounted Blowers not shown)

Model No.	Product Description
3 HP	3 HP Motor/Blower assembly with mounting stand
5 HP	5 HP Motor/Blower assembly with mounting stand
7.5 HP	7.5 HP Motor/Blower assembly with mounting stand
10 HP	10 HP Motor/Blower assembly with mounting stand

Your job is maintaining shop efficiency and cleanliness, not worrying about the science of vehicle exhaust collection. The Airflow Systems nationwide network of authorized distributors have all completed Airflow's corporate training program and have the ability to design, install, and support your vehicle exhaust collection requirements with products and systems specifically for your application. This network is backed by experienced technical support engineers and a proactive customer service staff that continues to work for you after your system is installed.

OTHER AIRFLOW PRODUCTS

**Portable Collectors**

Airflow Systems Portable Collectors are complete, self-contained units featuring an E-Z Arm<sup>®</sup> High Flow Arm for safe, high efficiency collection anywhere on the shop floor.



**Downdraft Benches**

Airflow Systems Downdraft Benches bring high efficiency collection to the workbench, drawing contaminants away from worker breathing zones while grinding, sanding or polishing.



**High Vacuum Units**

Airflow Systems High Vacuum Collectors provide continuous duty collection for either single or dual hose usage when sanding, grinding or polishing.



Leading the way for clean air in the new millennium.

For performance and specification data, visit:

**www.airflowsystems.com**

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