

clean air at work



Creating a healthier work environment in your facility

# EVER WONDER ABOUT THE VALUE OF CLEAN AIR?

We do. Exposure to hazardous vehicle exhaust emissions can cause serious health problems for you and your employees. The most efficient way to combat that exposure is to capture the exhaust fumes at the source and eliminate contact with harmful pollutants. With over 45 years of experience, Plymovent source capture systems remove the hazardous emissions at the source, providing a healthy and safe working environment.

Our high-quality exhaust removal systems are recommended worldwide to make sure that legal exposure limits are not exceeded. Plymovent offers various systems that capture, extract and remove gas and diesel exhaust emissions, creating a cleaner and healthier work environment for your personnel.

From existing, to new facilities, our range of products and system solutions covers it all. Contact us to find out what a genuine commitment to customers really means.

# VERTICAL STACK RAIL SYSTEM

The Vertical Stack Rail (VSR) system is designed for vehicles with a vertical exhaust pipe. The Plymovent stack adaptor is fitted to the vertical exhaust pipe, creating a closed connection between the vehicle and the VSR exhaust removal system. The rail profile is a free floating system which allows side-to-side movement of the entire system and automatically aligns with the vehicle exhaust pipe.

#### HOW DOES IT WORK?

As the returning vehicle drives into the station, the catcher and the profile align themselves to the exhaust pipe position, eliminating the need for human assistance and potential human hazard. When the exhaust gases flow into the rail the pressure sensors automatically turn on the fan and the exhaust gases are removed from the rail preventing them from entering the station.

The VSR is one of the many effective Plymovent engineered systems for removing vehicle exhaust fumes.

### **RECOMMENDED FOR:**

We have provided over 50,000 installations for source capture and ventilation systems in various industries including:

- Military facilities
- Automobile plants
- Department of Transportation facilities
- Motorcycle/ATV garages
- Emergency service stations
- Fleet service & repair bays
- Agricultural equipment facilities
- Bus depots

#### RENEELTS

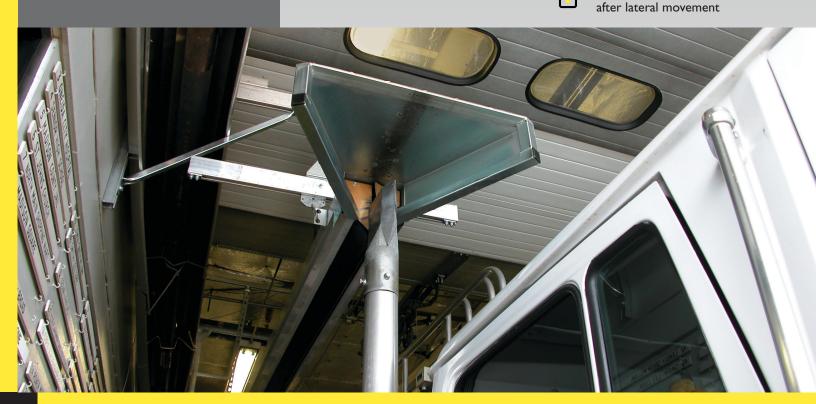
Ensures effective and efficient diesel exhaust gas removal

Fits any vehicle stack

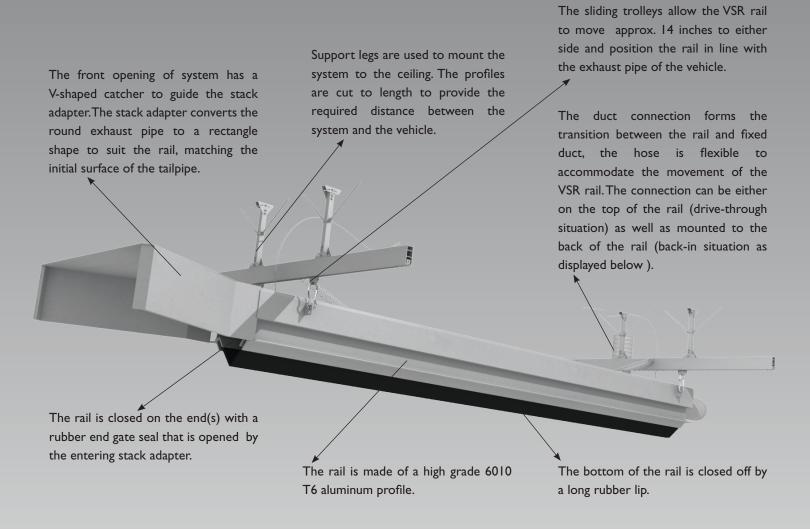
Expandable system to almost any length

14 inches lateral movement to either side

Automatic return to position



# COMPONENTS



#### TECHNICAL SPECIFICATIONS

System use	Suitable for back-in and/or drive through applications
Function	Hands free operation with automatic adjustment to vehicle exhaust pipe position
	(14 inches to either side)
Operation	The fan starts and stops automatically when a vehicle enters the system using pressure sensors
Truck connection to system	Truck stack adapter
System length	19 - 95 feet
Material	Aluminum with EPDM rubber lips
Temperature resistance	392°F continuous, 500°F intermittent
Installation	Ceiling or wall
Weight	137 lbs per 19 ft (192 lbs including two suspensions)
Rail opening	3.3 inches
Rail diameter	8 inches (equivalent of the square rail surface)
Catcher width	27 inches
Duct connection	6.3 inches
Distance between suspensions	approx. 13 ft
Recommended air velocity in duct	3500 to 4000 fpm



## PLYMFIVENT®

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Plymovent Corp. is ISO 9001:2015 Certified.



Your authorized Plymovent distributor:

### **PLYMOVENT OFFERS TOTAL SOLUTIONS FOR AIR CLEANING**

For more than 45 years we have made it our business to ensure clean air in fire stations, workshops and emergency service stations. We provide high-quality products to protect firefighters and others from exposure to hazardous diesel exhaust, dust and debris. We offer a broad range of exhaust extraction systems, supported by complete engineering services. Contact us to find out what genuine commitment to customer requirements really means.

### FROM SCRATCH TO THE RIGHT SOLUTION

Plymovent is not just a manufacturer. We offer professional advice and engineering services to provide a solution tailored to your specific needs or requirements. In addition, our worldwide network of distributors offer service and maintenance to keep your system functioning optimally.

For more information, please contact your authorized Plymovent distributor or visit www.plymovent.com.

Plymovent cares about the air you breathe. We offer products, systems and services which ensure clean air at work, anywhere in the world.

We respect the environment and we deliver high-quality products. Our expertise gained over many years and our genuine commitment to customer requirements enable us to provide precisely the solutions you need.