Nederman

Emergency Vehicle Exhaust Extraction

Clean, safe and healthy

Nederman exhaust extraction systems for fire and emergency stations:

- Exhaust extraction directly at the tail pipe - low or high
- Easy and ergonomic connection of suction nozzles
- Automatic and safe uncoupling of suction nozzles when vehicles leave the emergency station
- Quick exit from emergency stations

Diesel exhaust, found in every fire or emergency station, is produced when an engine burns diesel fuel. It is a complex mixture of thousands of gases and particles (soot) containing several toxic air contaminants. These include many known or suspected carcinogenic substances (benzene, arsenic and formaldehyde). It also contains other harmful pollutants, including nitrogen oxides. In the long term, repeated exposure is as dangerous as being subject to cigarette smoke. The exhaust spreads into the areas where firemen eat, sleep and reside. It even penetrates the clothes.
Studies have shown cancer rates among firemen are exceptionally high.
Our vehicle exhaust systems can help reduce this rate.

General ventilation and re-circulation systems are not enough to extract volatile diesel fume. The most effective method of capturing and removing of vehicle exhaust fumes is capture at source. Capturing the vehicle exhaust gases provides a safer and more pleasant working environment.
Nederman's exhaust extraction systems are designed specifically for emergency vehicles. The exhaust fumes are removed right from the tail pipe, which is the only effective way of doing it. More than 100,000 Nederman exhaust extraction systems installed in emergency stations all over the world is a proof for that!

Exhaust rails and tracks for moving vehicles

Nederman systems with exhaust rails and tracks for vehicles in motion offer economical and reliable solutions with direct capture and evacuations of gases from the exhaust pipe, which is the only effective method. The extraction unit comprises the trolley, suction hose and nozzle attached to the vehicle's exhaust pipe. The vehicle pulls the extractor unit along the track with constant and safe evacuation of the exhaust gases.

Nederman exhaust extraction systems

Track systems: cost effective back-in systems for small to medium stations.
Rail systems: high capacity drive-through or back-in systems for medium and large stations.

Exhaust Extraction Systems for every need

Fire trucks, ambulances and other emergency vehicles must always be ready to leave the emergency station instantly. Therefor Nederman's vehicle exhaust removal systems with quick release are the optimum choice for your emergency station. The exhaust extraction systems enable quick exit from the emergency station and contribute to safe and effective extraction of exhaust fumes and gases.

Fastest exit on the market

The attachment mechanism releases the nozzle immediately on exit. The release distance to the door is adjustable.

Smooth release eliminates swinging hoses

The mechanism releases smoothly preventing tension build-up. There is no slingshot effect, pendular motion is reduced, and the risk of damage to nearby staff or vehicles is eliminated.

Hose without loops

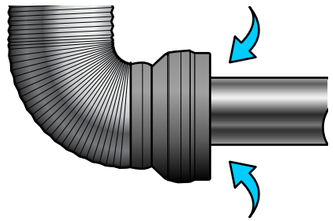
As the system has no hoses coiled in loops or trailing behind, space is saved between vehicles and the risk of hose swing is greatly reduced. A great advantage in small bays.
Furthermore the vertical hoses cannot become entangled, important when the alarm sounds.

The most ergonomically way to attach the nozzle

The operator avoids bending down and breathing residual exhaust fumes while attaching the nozzle to the exhaust pipe. The hose is conveniently guided into position using the grip and is held in place by the electro-magnet.

Hoses designed for optimal extraction

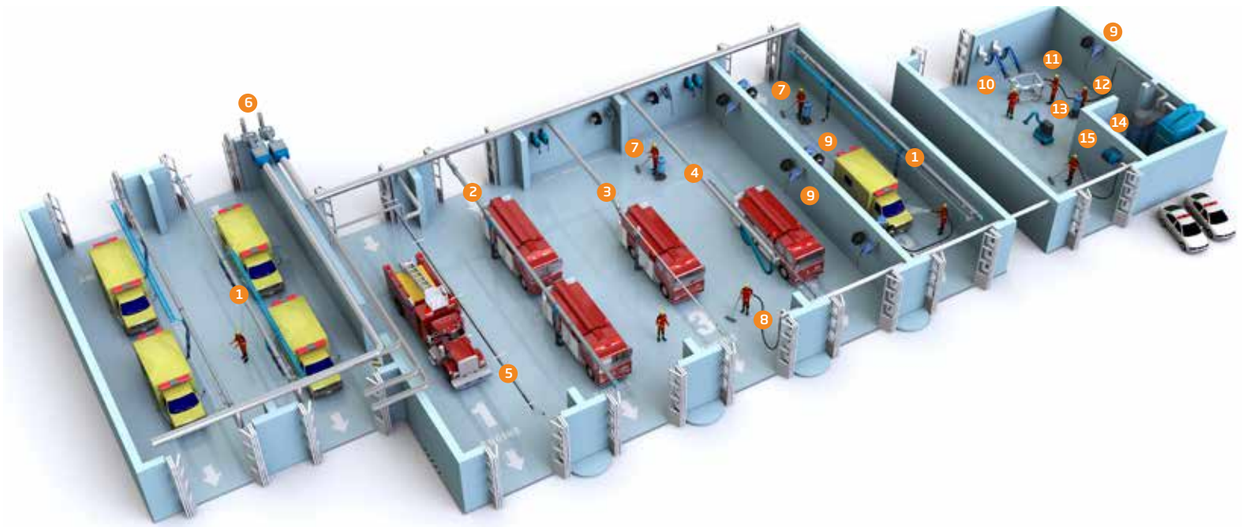
Our 6 1/4" hose permits a high airflow with low pressure drop, allowing the fan to operate with optimal efficiency. Thus, the fan does not have to be oversized, which saves energy and keep noise at a low level.



100% PLUS extraction and heat resistance

The nozzle extracts 100% of the exhaust fumes and simultaneously draws in ambient air for cooling. This makes MagnaSystem perfect for modern engines generating very high exhaust temperatures. The nozzle also extracts residual emissions that may leak from the tail pipe system.

Nederman has exhaust extraction systems to fulfill the specific needs of your fire station and suit your budget. No matter the size of your station, sizes/types of vehicles or frequency of operation. Nederman has the widest range of products and systems, as well as extensive experience and knowledge in how to build the optimal solution.



Products for every part of your emergency station

1. *Pneumatic Rail Systems PRS*
2. *MagnaRail*
3. *MagnaTrack HS*
4. *Pneumatic Track System PTS*
5. *Vertical Stack*
6. *Particle filter and fan system*
7. *Mobile vacuum cleaning unit*
8. *General cleaning - central system*
9. *Cable and hose reels for air, water, electric power etc.*
10. *Arms for welding fume extraction*
11. *Welding torch with integrated fume extraction*
12. *On-tool extraction: grinding, sanding etc.*
13. *Mobile blaster unit*
14. *Central cleaning and filtration system*
15. *Exhaust reels*

Matchless extraction, exit speed and capacity

Complete solutions that protect your environment

Comprehensive product range

Nederman is a world-leading environmental technology company with solutions that take their origin in "capture-at-source", i.e. extraction of contaminants right at the point of creation. We filter, clean and recycle to create eco-efficient production in demanding industrial surroundings. Our offer includes individual products, engineering design, installation, commissioning and service. By continually adding new skills and solutions and expanding our geographic presence, we help our customers to develop their businesses both economically and ecologically.

Extensive experience

For more than 70 years, Nederman has developed products and solutions to reduce the strain on the environment and protect people from harmful particles, fibers, dust, gas, smoke and oil mist. We have extensive experience of how to create a safe working environment. Our accumulated knowhow is easily accessible when you plan a new facility or need to modernize existing operations.

Nederman exhaust extraction systems for sound, safe and ergonomic fire and emergency stations

Worldwide presence

Nederman has a strong global presence in both sales and production. We have our own sales companies in 25 countries and distributors in more than 30 countries. Production is performed in 12 countries on five continents. In many countries, we also have a well-established service organization. By offering advanced service with high availability, Nederman helps customers to secure continuous, optimized production.

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For more than 70 years, Nederman has developed, manufactured, and installed products and solutions to reduce the strain on the environment and improve working conditions in numerous industries.

Our products and systems have been ground-breaking in industries such as machining, metal fabrication, mining, automotive, composite manufacturing, food, pharmaceuticals, wood-working, and many others.