



Nederman

Magna System

Emergency Vehicle Exhaust Extraction





Clean, safe and reliable

Exhaust gasses and particulates, found in every fire or ambulance station, is produced when an engine is turned. It is a complex mixture of thousands of gases and soot containing toxic air contaminants. These include many known or suspected carcinogenic substances like benzene, arsenic and formaldehyde. It also contains other harmful pollutants, including nitrogen oxides. Long term, repeated exposure is as dangerous as exposure to cigarette smoke. The exhaust spreads into the areas where fire fighters eat and sleep. It even settles on turn out gear. Studies have shown cancer rates among fire fighters are exceptionally high. Our vehicle exhaust systems 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 cleaner 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. Over 100,000 Nederman exhaust extraction systems installed in emergency stations all over the world is proof that capture at source is the most trusted way to keep your station clean and healthy!





Nederman Magna Systems for fire and ambulance stations:

- Exhaust extraction directly at the tail pipe
- Safe and easy nozzle connection
- Clean and safe automatic nozzle disconnection
- Quick and seamless vehicle dispatch
- Suitable for Back in or Drive Through bays



Fastest exit on the market

Our electromagnet grip reliably holds the nozzle in place and reliably releases immediately on exit.



Smooth release eliminates swinging hoses

The MagnaSystem prevents tension build-up resulting in smooth and safe nozzle release without a slingshot effect. Swinging motion is reduced, and the risk of damage to nearby staff or vehicles is eliminated.



Hose without loops

The system has no hoses coiled in loops or trailing behind, space is saved between vehicles and the risk of hose swing or drag is greatly reduced. A great advantage in small bays. The vertical hoses are unobtrusive, important when the alarm sounds.



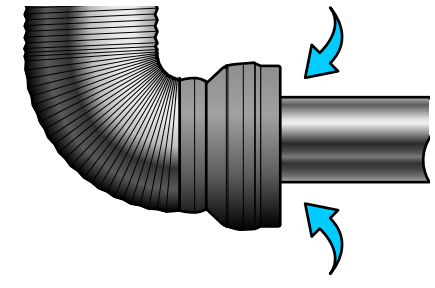
The most ergonomically way to attach the nozzle

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 electromagnet.



Hoses designed for optimal extraction

Our 6 1/4" hose allows for high airflow with low pressure drop, allowing the fan to operate with optimal efficiency. This allows for smaller fan sizing resulting in lower operating cost and lower fan noise.



100% PLUS extraction and heat resistance

The oversized nozzle end 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.

The image features a large, serene landscape of a calm lake reflecting a clear blue sky and a dense forest of evergreen trees. In the top left corner, there is a white, angular graphic element that serves as a background for the Nederman logo. The logo itself is the word "Nederman" in a bold, blue, sans-serif font.

Nederman

Nederman is a world-leading environmental technology company. We filter, clean and recycle to create eco-efficient production in demanding industrial surroundings.

For 75 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.