

**Nederman**

# Industrial Vacuum Cleaners

ATEX-compliant and reliable for demanding environments



# A complete solution for industrial housekeeping



## Ensuring safety in demanding working environments

Explosive or potentially explosive atmospheres occur in a wide variety of workplaces where fine dust, like aluminum or organic powders, or flammable gases, fumes and hazardous liquids are present. Explosions can cause injuries, damage filter systems, and release contaminated air, posing health risks to workers. Therefore, it is important to select a partner that is experienced in handling these applications and a solution that complies with the latest ATEX and NFPA standards.

Nederman is the global leader for ATEX and NFPA compliant dust collection solutions. Our mobile industrial vacuum cleaners are ATEX-approved for use in potentially explosive atmosphere. Additionally they are designed for reliability and efficiency, capable of handling the suction and transport of dry and wet materials, masses, and liquids in various demanding industries in a safe and efficient manner.



### Reliable

Built without moving parts, ensuring high operational reliability, durability, and robustness.

- Robust design handles high vacuum pressures in tough conditions
- Ejector powerhead ensures strong vacuum and flow
- Ideal for demanding operations



### Flexible

Six mobile models tailored for various demanding processes and industries.

- Options for suction and transportation of different materials
- Adjustable power levels
- Larger units adopted for secured lifting



### Effective

High suction capacity and easily reaches hard-to-access areas.

- Versatile filtration system tailored to specific needs
- Varying hose lengths makes it easy to reach
- Accurately monitors vacuum levels to maintain optimal airflow



### Compliant

Fully compliant with ATEX standards for use in potentially explosive atmosphere.

- Conductive and antistatic material, to comply with the ATEX standard
- Can be used in explosion hazardous category areas
- Includes a manometer to easily monitor and maintain optimal vacuum levels

## ATEX compliance - essential safety for explosive environments

ATEX governs explosive workplaces through two EU directives covering equipment and safety. All workplaces in the European Union must comply with the regulations set under the ATEX directives. Employers are required to evaluate and classify their working environments to determine the risks and must create an explosion protection document to assess workplace hazards. For details, see current ATEX workplace directive. Additionally, all process and production equipment must meet the regulations concerning technical and legal standards. In many other countries the practice of ATEX is also adopted, like the NFPA standard used in the US.

### ATEX equipment directive

ATEX stands for ATmosphere EXplosive. The directives cover machinery, components and controls that work in explosive atmospheres.

### ATEX workplace directive

- Employers must prepare an explosion protection document
- Areas identified as at risk must be classified into zones according to current specifications
- Employers must ensure that only properly classified equipment is used in the corresponding zones
- Procedures for safely working in explosive environments must be established and documented

## Combustible dust experts

Nederman is the global leader for ATEX and NFPA compliant dust collection solutions. Our comprehensive approach throughout the design, installation and maintenance processes sets us apart.

Nederman not only manufactures compliant products, but our sales and technical support teams go through rigorous, annual training and follow a strict process to ensure combustible dust standards are being followed.

Because Nederman manufactures the complete system you can be confident you have a complete, safe and compliant solution.

Additionally, Nederman offers both on-site and Insight digital monitoring services to ensure the solution is being operated and maintained in a safe and efficient manner.



# Take control of your dust & liquid collection



## Designed with usability and durability in mind

Our industrial mobile vacuum cleaners are built with robust features that ensure reliable and efficient extraction in even the most demanding environments. They are easy to use, maintain, and operate and are fully compliant with ATEX directives for safety and performance.

### Robust design

Engineered for higher vacuum pressures, offers robust durability and reliable performance, even in demanding conditions. Built for consistent operation and long-lasting use, it's ideal for applications requiring exceptional strength and resilience.

### Versatile filtration system

Provides customisable solutions for various contaminants and environments. Designed for fine dust, liquids, or mixed particles, it delivers reliable, effective performance tailored to specific needs.

### Stable trolley

Low-center-of-gravity, offers stability and safety with advanced antistatic wheels. Featuring lockable wheels and passing tilt tests, it ensures reliable performance and secure mobility, ideal for transporting equipment and materials efficiently.



### Reliable ejector powerhead

Designed for consistent performance, and offers durable, dependable operation in demanding environments, ensuring long-term reliability and superior functionality.

### Flow assurance vacuum gauge

Accurately monitors vacuum levels to maintain optimal airflow, ensuring system efficiency and optimal operation.

### Durable suction inlet

Replaceable wear plate for easy maintenance and extended service life. Built to withstand heavy use, enabling quick, cost-effective replacements for continuous optimal performance and minimal downtime.

### Convenient accessory basket

Organised compartments make it easy to carry suction tools, keep them within reach and streamlining your cleaning routine.

## ATEX approved solutions for a safer working environment

Our ATEX approved industrial vacuum cleaners come in six mobile models, each designed with specific filtration systems, container sizes, and adaptability for various types of dust, particles, or liquids. These features ensure your workspace remains safe and free from harmful materials that could compromise air quality.



**105A Ex - Powerful dry suction unit**  
Ideal for efficient collection of granulate and floor waste, with specialised suction tasks. Enhance productivity with a high-performance unit that seamlessly handles a variety of material.



**115A Ex - Versatile wet suction unit**  
Ideal for thorough wet floor cleaning and versatile enough for use with suction tools. Effortlessly empty small tanks with an integrated user-friendly ball valve ensuring fast and secure disposal.



**140A Ex - Specialised wet suction unit**  
Designed for safe collection of hazardous and flammable liquids, ideal for tank and well emptying onboard ships and demanding environments. With an integrated user-friendly ball valve ensuring fast and secure disposal.



**216A Ex - Advanced indoor dry suction unit**  
Designed for the effective collection of fine dust and particles, this unit features a robust filtration system that guarantees cleaner air and surfaces. Ideal for maintaining clean indoor environments with ease.



**500A Ex - Reliable wet suction unit**  
Designed for efficient floor cleaning and tank emptying. The integrated user friendly ball valve simplifies quick disposal, reducing potential hazards and contributing to a safer, cleaner work environment.



**510A Ex - Enhanced wet suction unit**  
Suitable for floor cleaning and tank emptying tasks. With an integrated, user-friendly ball valve for effortless discharge and a tipable trolley for improved maneuverability and convenience.

## Technical specification

Model	Ejector top	Filtration system	Container material	Container size	Suitable for
105A Ex*	NE 22	Cartridge	AISI 316	67l	grit and granules
115A Ex*	NE 32	Float ball	AISI 316	67l	liquid
140A Ex**	NE 64	Float ball & cartridge	AISI 316	67l	liquid
216A Ex*	NE 32	Cartridge	Powder coated C2	47l	fine dust, granulate, grit
500A Ex*	NE 52	Float ball	AISI 304	213l	liquid
510A Ex*	NE 52	Float ball	AISI 304	208l	liquid

\* 7,5 m hose and floor cleaning kit included

\*\* 16 m hose with camlock fitting included

# A solution that is tailored for your needs



## Power and versatility for a wide range of applications

Our industrial mobile vacuum cleaners are designed to collect and transport material, masses and liquids in applications in several industries working in tough environments and hazardous areas. Every application requires its own solution and based on the customer's own risk evaluation, we recommend a suitable solution for each application. The ATEX-approved vacuum systems can be used in a wide range of applications including offshore, oil tanker, welding, chemistry, metal working, food processing, and more. Nederman provides an extensive range of options and cleaning accessories designed to meet diverse industrial housekeeping needs.

For applications needing even more capacity, we also provide a wide range of high vacuum units for industrial housekeeping, material transport and recovery. Our experts are highly experienced and ready to help. Contact your local Nederman expert or visit [nederman.com](http://nederman.com) to find the best industrial vacuum system for your needs.

## The global leader in complete dust collection solution

For 80 years, Nederman has developed products and solutions to reduce the strain on the environment and protect people from the harmful effects of indoor air pollution including dust, smoke, oil mist and gases. We have extensive experience in creating safe working environments, handling combustible dusts, managing turn-key projects and servicing dust collectors. Our innovative, smart solutions including Insight have further strengthened our ability to deliver clean air to our customers throughout the world.

## Worldwide presence

Nederman has a strong global presence in both sales and production. We have our own sales companies in 30 countries and distributors in more than 50 countries. Production is performed in 13 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, optimised production.



### 600A Ex - High suction vacuum unit for heavy duty collection

- Flexible frame system with silo collector
- High vacuum for long-distance, heavy material suction
- Efficient, self-cleaning NVF filter

This powerful silo system is designed for fixed installations, ideal for collecting dusty materials like granules, steel grit and recovery of precious metals. It features a manual discharge valve, with options for automatic operation via counterweight or pneumatic valves. Equipped with an efficient, self-cleaning NVF filter and optional remote control, it's perfect as the power pack in central suction systems. Delivered with 63 mm suction equipment for maximum efficiency.



### 950 Ex- High performance stainless steel vacuum unit

- High vacuum capacity for superior product lift
- All Stainless Steel on this model are made in AISI 316
- Ideal for hazardous liquid suction and transport over long distances

This heavy duty vacuum unit offers high suction capacity, ideal for hazardous and flammable liquids. With a durable 950L stainless steel tank, it effectively transports materials over long distances, both vertically and horizontally. Perfect for industrial cleaning, tank stripping, and deep well sump operations. All parts in contact with liquids are stainless steel, antistatic, and conductive to prevent static electricity, making it safe for suctioning oil, water, and other liquids.



The Nederman logo is displayed in a white, slanted rectangular box. The word "Nederman" is written in a bold, blue, sans-serif font.

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## The Clean Air Company

Nederman is an environmental technology company and a global leader in industrial air filtration dedicated to extracting, transporting and cleaning air to make industrial production more efficient, safe and sustainable. Based on industry leading products, solutions, and services in combination with innovative IoT technology, we monitor and optimise performance and validate emissions compliance to protect people, planet and production.

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