



**Nederman**

# Nederman FX<sub>2</sub> Arms

Ensuring a safe and efficient work environment



# The ultimate solution for safe and efficient at-source extraction



## Ensuring a safe, efficient and quiet work environment

To effectively control airborne contaminants, fumes, and dust in the workplace, it's crucial to remove them at the source. Efficient extraction and filtration are essential for all work involving hazardous gases, fumes, and particles. A well-designed extraction system enhances safety, performance and efficiency while reducing costs and noise levels.

Nederman FX<sub>2</sub> arms are particularly well-suited for these environments and workplaces because they maximise airflow while minimizing pressure drop. They operate with low noise levels and are highly efficient, making them ideal for any type of environment. With various mounting options and seamless integration with Nederman filtration systems, these arms are perfect for extracting hazardous substances right at the source, ensuring a safe work environment.



### Efficient

Nederman's FX<sub>2</sub> joints are designed to maximize airflow and minimize pressure drop, ensuring excellent particle capture. This optimises the capture zone and effectively removes contaminants directly at the source.



### Quiet

Low noise levels ensure a safe and quiet workspace, enhancing both comfort and productivity.



### Flexible

Our FX<sub>2</sub> arms come in various lengths to perfectly adapt to your business needs, creating an optimal workspace. Adjust the height to achieve the perfect position and take advantage of our unique mounting options for maximum flexibility.

## Versatility for a wide range of applications

Nederman FX<sub>2</sub> extraction arms are designed to meet the needs of a wide range of applications. These small, flexible, and easy-to-use arms effectively eliminate smoke, fumes, gases, dust, and particles. By capturing pollutants close to the source, they ensure a high capture rate with minimal energy use, removing hazardous airborne substances before they reach the breathing zone or contaminate premises and goods.

Available in three models, FX<sub>2</sub> arms cater to diverse requirements across various industrial, research and educational applications. Our team of air filtration experts is ready to help you select the right configuration to suit your specific needs.

### General applications

Effective extraction and filtration are vital across various applications, including pharmacies, schools, light industries, soldering and gluing in the electronics industry, 3D printing, and hair and nail salons. These environments often face dust, fumes, and particles that pose significant health and safety risks. Nederman FX<sub>2</sub> extraction arms efficiently capture these contaminants at the source, ensuring a clean and safe environment for both users and equipment.

### Laboratory

Efficient extraction and filtration are crucial during laboratory work where gases, fumes, and particles are handled in potentially hazardous quantities and concentrations. A well-designed and installed extraction system not only increases safety, performance and efficiency but also minimizes running costs and noise levels.

### Dentist & Health Care

Aerosol-generating procedures (AGPs) release airborne particles and droplets that can increase the risk of respiratory infections. Nederman's aerosol control solutions proactively help protect dentists, their patients, and their employees from these airborne hazards.



# Always within reach

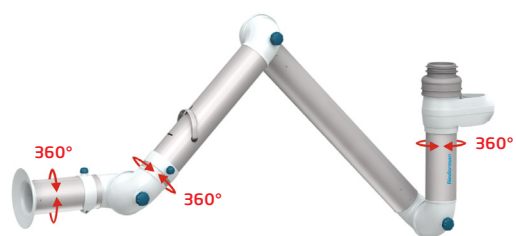


## Designed with usability and flexibility in mind

Nederman FX2 arms, made of lightweight anodized aluminum with adjustable friction sections, offer strength, durability and easy handling, making them ideal for environments needing small, flexible, and user-friendly arms.

### Unique maneuverability

Nederman FX2 arms are highly flexible, and simple to position, extend and retract. The two outermost arm joints can rotate 360°. This makes it possible to position the hood exactly where required. Once correctly positioned, the hood can be locked in place using two friction devices in the arm joints.



### Aesthetic design

Nederman FX2 arms feature a lean, aesthetic design that fits well in for example laboratories without sacrificing durability. The optimized swivel ensures a slim profile and clear sight, while the long upper arm section allows for high placement, blending in seamlessly and preventing dust accumulation.

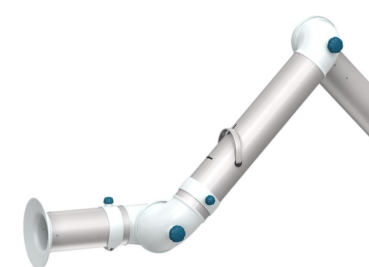


### Optimal efficiency and low noise

The FX2 arms were developed using computerized simulations, and the resulting highly improved airflows mean that smaller fans that consume less energy are required. Another user benefit is the reduced noise level. Complementary Nederman products such as fans, ducting and control units can further increase energy efficiency.

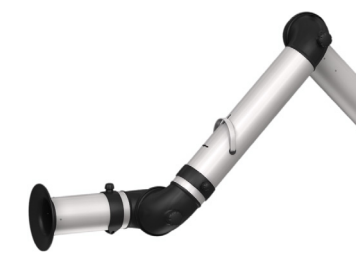
## The FX<sub>2</sub> range, the ultimate extraction solution

Nederman FX2 arms present the most complete offering on the market. All arms are supplied with a mounted duct connector to facilitate coupling of external ductwork to the arm. The duct connector is made of rubber and is fully leak-proof. All arms are equipped with a mini hood, eliminating the need for an extra extraction nozzle when working close to the source. If the pollution source is located further away, Nederman offers a range of extended capture hoods for maximum performance.



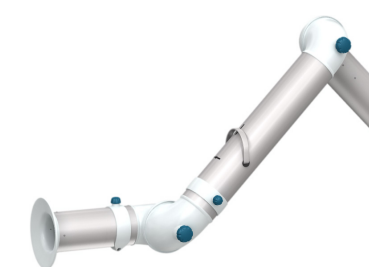
### FX<sub>2</sub> Original

A robust, reliable arm for general use with low risk of electrical discharges or chemical attacks. Suitable for general applications such as ex soldering and gluing. Available in three different diameters.



### FX<sub>2</sub> ESD

Conductive materials eliminate static electricity and sparks. Suitable for electronic environments. Available in three different diameters.



### FX<sub>2</sub> Chem

Anodised aluminum for fume extraction in corrosive environments. Suitable for laboratories. Available in two different diameters.



### FX-Metal hood

Durable and robust, ideal for when you need a hood that is built to withstand tough working conditions.



### FX-Flange hood

Designed to provide ample workspace, making it ideal for tasks that require extra room under the hood.



### FX-Combi hood

Offers a large capture area for optimal protection, can lie flat against surfaces, and ensures flexibility for various work scenarios.



### FX-Dome hood

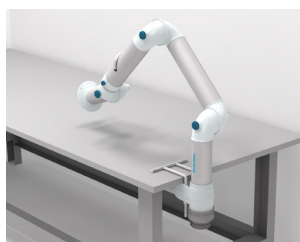
Captures high dispersion contaminants, attaches directly to the minihood regardless of arm size, and features ergonomic handles for easy maneuvering.

# Flexible installation options



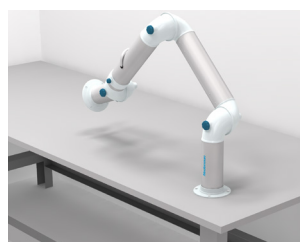
## Mount anywhere for maximum flexibility

Nederman FX<sub>2</sub> arms offer complete flexibility in installation, allowing mounting on ceilings, walls, floors or worktops.



### Connection down

Mounting options on bench edge, floor, or any other horizontal surface.



### Connection down-through

Mounting options through bench.



### Connection up

Mounting options on ceiling, wall, shelf edge.



### Connection up-PLUS

Mounting options on ceiling or wall.

## Adapt your installation

Nederman offers you a unique possibility to adapt the arm installation to your facilities. Cut2fit extension is an aluminium profile, which can be cut at any length and assembled together with the classic bracket for mounting arms to the ceiling or wall. With our cut2fit extension profile you are free to cut the profile length, which gives you unparalleled flexibility. In addition, we also provide complementary products such as filters, fans and control equipment that further let you adapt your installation.

Nederman FX<sub>2</sub> arms are available in self-assembly kits, which include a fan, a filter, a fan speed controller, hoses, table bracket and connectors. No duct is needed. These kits provide a quick and convenient solution for creating a fume-free workplace.

## 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.







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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.

The Nederman Group is listed on Nasdaq Stockholm. The Group has approximately 2,500 employees and a presence in more than 50 countries. Learn more at [nedermangroup.com](https://nedermangroup.com)

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