

Central Filter Systems

The filters presented in this catalogue cover the needs for single or few workplaces. For larger systems and higher capacities we recommend our FilterMax series.

The FilterMax System

Filter Max is a modular filter system designed to deal with all types of fume and dust from mechanical working or handling of a wide range of materials. New modular sections can easily be added when the airflow requirements increase.

Filter Max C25 – for low volume applications

Compact single unit with built-in fan and control equipment. For low volume applications where space is limited.
Airflow capacity 1.500 – 3.000 m³/h (900 – 1800 cfm).

FilterMax DF – for basic use

Basic version with one, two or three modules.
Airflow capacity 2.200 – 13.000 m³/h (1300 – 7600 cfm).

FilterMax F – with integrated pre-separator

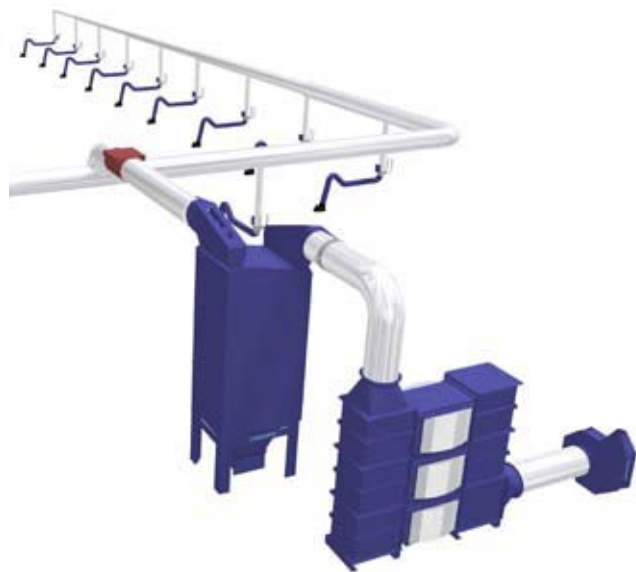
Filters with integrated pre-separator for coarse particles, sparks, etc. cartridges. Airflow capacity 1.500 – 10.000 m³/h (900 – 6000 cfm).

FilterMax SFC – safety and circulation filter

Used in combination with FilterMax DF or F models to increase safety against release of dangerous dust into the atmosphere. Can also function as a back-up filter in case of collapse of the primary filter unit.
Airflow capacity up to 2.000 – 4.000 m³/h (1200 – 2400 cfm).
It can also be configured as a spark trap to reduce the risk of fire in a main filter.

Nederman FilterMax DX – for explosive applications

Designed for extraction of dry powder or dust with explosion risk applications or if explosion protection is demanded accordingly to the ATEX directive.
Airflow capacity 600 – 7.200 m³/h (350 – 4200 cfm).



Filter Max DF combined with Filter Max SFC



General description Low vacuum systems

Low vacuum products and systems are generally speaking used for extraction of air contaminated with small, light and low velocity particles. A system briefly consists of a fan and filter unit.

Typical low vacuum applications are:

- engineering processes with welding
- grinding and oil mist recycling
- food and pharmaceutical processes involving the handling of powders or chemicals.

In these applications there is often a latent explosion risk. Specially adapted products designed according to the ATEX standards are obligatory.

Low vacuum system characteristics:

- uses high volumes of air, 600 – 2000 m³/h (350 – 600 cfm) in each extraction point
- extraction via large diameter ducting at relatively low speeds, around 10 – 25 m/s (2000 – 5000 ft/min.)
- the pressure drops that have to be overcome are low, normally in the region of 1 – 3 kPa

*For further information please contact your local Nederman sales representative.
Also see the Nederman Design & Engineering Guide and www.nederman.com*

Product availability may differ by country



Nederman has extensive experience from more than 1,000 oil mist installations in workshops and plants all over the world. Our wide range of solutions covers all types of workshop machinery, from conventional machines to the latest high-speed CNC equipment.

Central Oil Mist Filter Systems

The Nederman oil mist filters NOM are designed for use in conjunction with machining work where emulsions are used as the coolant/lubricant. They can also be used in the metalworking press industry.

The NOM 4 presented in this catalogue is designed for recovery of oil mist from single CNC machines with enclosed cabinet.

NOM filter for larger airflow capacities and central systems

Beside NOM 4 Nederman offers a range of NOM filters designed to cover applications with need for larger airflow capacities (up to 11,200 m³/h) (6,600 cfm).

NOM 11, NOM 18, NOM 28 and NOM 112 are installed in central systems connected to many machines.

*For further information please contact your local Nederman sales representative.
Also see the Nederman Design & Engineering Guide and www.nederman.com*

Product availability may differ by country