

PAK-M

Safe and efficient high vacuum extraction

Nederman is your partner in industrial air filtration and dust collection

Many industrial processes generate airborne dust and particles, which can be hazardous to human health. Ensuring proper extraction of dust at the source is essential to prevent it from reaching the breathing zone. Proper housekeeping equipment is also necessary to manage dust that spreads within facilities.

As a leading provider of products and solutions for industrial air filtration and dust collection, and with 80 years of experience, Nederman offers a comprehensive range of products designed to improve workplace safety, enhance production efficiency, and ensure compliance with environmental regulations.

Energy efficient and ATEX compliant high vacuum units

The PAK-M and PAK-M DX series of products offers a complete range for extraction and filtration of non-combustible and combustible dust and fumes, as well as for industrial cleaning applications. Together with the new, high performing blower, the included VFD (Variable Frequency Drive) supplies a constant vacuum while saving energy and adding several new features.

- **Energy efficient.** Lowered operating costs and less environmental impact – the VFD maintains the desired and needed vacuum level as set by the user on the control panel – ideal also in on-torch welding applications.
- **Flexible.** Wide standard range of models and accessories for almost any application; fume, dust, grit and cleaning – also for combustible dust.
- **Long filter life.** Efficient filter cleaning initiated based on filter loading (dP) and/or timer.
- **Increased user safety.** Constant airflow makes PAK-M a great option for on-torch and being part of a system fulfilling ISO 21904.
- **Safe and compliant.** Built in safety functions and ATEX compliance in a wide range of applications.
- **Reliable.** Rugged design with metal enclosure and reinforced extraction hose that hold up in industrial environments.
- **Connected and IoT-ready.** All versions are Nederman Insight and IIoT ready offering digital monitoring and cloud connectivity.
- **Expandable automation options.** Optional PLC for extensive automation-, sensor- and control capabilities. Ideal, but not necessary, for ATEX installations.
- **Low noise level.** Means a quieter working environment.
- **Compact and modular design.** Saving shop floor space and transport costs. Possible to separate vacuum and control unit from dust separator by adding an extra leg (accessory)
- **Low installation costs.** Delivered complete with VFD – plug and play ready.



PAK-M with optional secondary filter

Product range to cover almost any high vacuum dust application

PAK-M. Standard model for non-combustible dust, fume and industrial cleaning, generally serving 1-5 users or extraction points. Optional secondary filter which can also be retrofitted.

PAK-M DX. Model for EX applications with 1-5 users or extraction points, available with a relief panel for release of the explosion pressure and flame or with a flameless venting system that could be used indoors (variants suited for organic or metallic dust).

Model table

Item No.	Item name	Main filter	Size	Secondary filter	Size
40057000	PAK-M	Polyester PTFE	3.4 m ²	Option	N/A
40057001	PAK-M H14	Polyester PTFE	3.4 m ²	Polyester, glass fibre, (H14)	6.2m ²
40057002	PAK-M DX relief panel	Polyester, Antistatic	3.0 m ²	Polyester (Class M)	5.4m ²
40057003	PAK-M DX PTFE relief panel	Polyester PTFE, Antistatic	3.0 m ²	Polyester, glass fibre (H14)	5.2m ²
40057004	PAK-M DX flameless -organic F2	Polyester, Antistatic	3.0 m ²	Polyester (Class M)	5.4m ²
40057005	PAK-M DX PTFE flameless - organic F2	Polyester PTFE, Antistatic	3.0m ²	Polyester, glass fibre (H14)	5.2m ²
40057006	PAK-M DX flameless -metal C1	Polyester, Antistatic	3.0 m ²	Polyester (Class M)	5.4m ²
40057007	PAK-M DX PTFE flameless - metal C1	Polyester PTFE, Antistatic	3.0 m ²	Polyester, glass fibre (H14)	5.2m ²



PAK-M



PAK-M DX with relief panel (rsbp)



PAK-M DX with flameless venting system for organic dust (rsbp Flex F2)

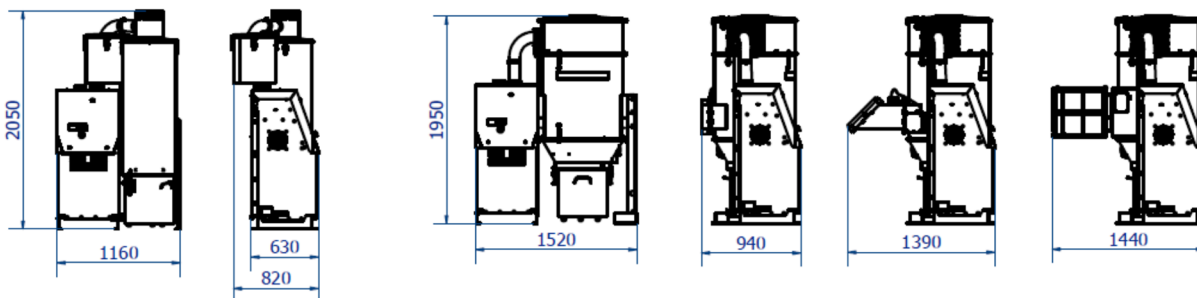


PAK-M DX with flameless venting system for metallic dust (rsbp Flex C1)

General Specifications

Model	Motor power, 380-480V	Air flow @15kPa	Air flow @20kPa	Air flow @25kPa	Max vacuum	Sound level (@15 kPa)	Protection class	DX applications data (Dust separator)
PAK-M	7.5 kW (@50Hz) 9 kW (@60Hz)	545 m ³ /h	475 m ³ /h	405 m ³ /h	25kPa	< 70 dB(A)	IP54	N/A
PAK-M DX					21 kPa		IP54 Dust separation IP65	II 3D Ex h IIIC T130°C Dc -10°C ≤ Ta ≤ 40°C

Dimensions



Dimensions in mm, inlet/outlet Ø100 mm