

PAK-M

Multi-user centralized high vacuum unit ideal for weld fume and housekeeping applications



PAK-M

- ✓ Extended filter life is achieved through dP-controlled reverse air filter cleaning, which ensures a minimum number of cleaning cycles, increasing filter life to 6,000 hours in most typical applications,
- ✓ Reduced operating costs are made possible by the Variable Frequency Drive (VFD), which adjusts to real-time demands and minimizes power consumption,
- ✓ Low noise levels during operation are enabled by the fan being mounted in an acoustic enclosure, and the VFD operating the unit at the minimum RPM required to maintain the desired vacuum level.
- ✓ Enhanced filtration is provided by the optional secondary HEPA H14 filter, particularly in indoor welding applications that generate hexavalent chromium.



The Nederman PAK-M is a high-efficiency, centralized vacuum solution designed for multiple extraction points, ensuring consistent airflow and reliable performance for 1-5 users. Ideal for welding fume, dust, and particulate matter, it adapts to various non-combustible dust types, improving safety and operational efficiency.

With Constant Pressure Control, the PAK-M adjusts blower speed in real time to maintain steady airflow, preventing pressure spikes that could disrupt welding quality. Its energy-saving VFD reduces power consumption by adjusting to varying extraction demands, while an auto start/stop function shuts off the unit when inactive, further lowering energy use.


Built for continuous duty, the PAK-M provides up to 30,000 hours of reliable performance under specified conditions. Safety is prioritized with features like overheat protection, spark deterrence, and smart alerts to ensure secure operation. The multi-level cooling system maintains safe temperatures, even in challenging conditions such as low extraction demand, long ducting, or blocked exhaust.

This versatile unit supports both weld fume extraction and industrial housekeeping, with automated extraction controlled by sensors and pilot signals for improved production efficiency. It also offers centralized extraction with flexible tool connections for dust control throughout the facility.














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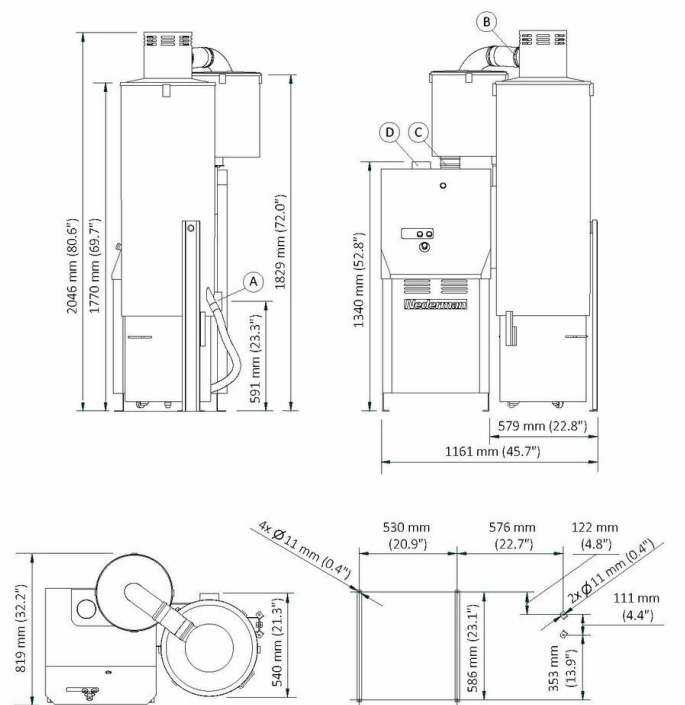
Certifications	CE
Protection class	IP54
Compressed air consumption	25 cfm
Installation	Indoor
Suitable for combustible dust	False
Filter cleaning method	Reverse air pulse
Application	Grit, Dust, Fumes, Chip, Granulate
Dustbin volume (gal)	18.5
Filter Area (ft²)	36.6
Power voltage (V)	380-480 (575 for Canada)
Frequency (Hz)	50/60
Filter type	Bag
Number of filter elements	14
Compressed air requirement	87 - 145 PSI (6 - 10 bar)
Capacity (max airflow m³/h)	545 m³/h @ 15kPa 475 m³/h @20kPa 405 m³/h @25kPa
Max vacuum (in. wg)	100
Inlet (inch)	3.94 in. (100 mm)
Weight (lbs)	558
[ItemOutletAux]	3.94 in. (100 mm)
Power (Hp)	10 (7.5 kW)

Models

	Item no
	40057009

Accessories

	Accessory	Item no
	CAS Compressed Air (Safety) Switch - 3 bar - Triggers Alarm when loss of compressed air pressure	40620370
	Vibration sensor kit monitors fan and bearing health by tracking vibration levels. Can be programmed to trigger alarms or initiate shutdown if set thresholds are exceeded.	40377221
	Inline compressed air filter captures oil, water, and solid particles within incoming air protecting valves and other sensitive components from clogging or damage, particularly in settings where compressed air quality standards may vary.	40620360
	Bin Level Indicator BLI1-40 V complete	40780710
	90-degree air outlet bend, sized at 100mm (3.94 inches), recommended for exhaust systems to redirect airflow and prevent objects from accidentally entering the intake.	40130820
	Protective exhaust outlet cover, sized at 100mm (3.94 inches), to prevent birds and other small animals from entering the exhaust system.	40130220
	High Vac Silencer LT100 4 in (100 mm) Connection	40139081
	Electrical mounting kit providing a pilot signal junction box, enabling connection and branching of multiple microswitches from the main power line.	40903520
	Primary filter replacement ensuring effective capture of dust and particles. Consists of a 14 element PTFE coated polyester bag filter providing 3.4m ² (36.6ft ²) of filter area.	40111710
	Secondary filter housing PAK-M	40370050
	PAK-M VFD Display Extension with cable	40370060
	H14 grade secondary filter with a 3-layer polyester/glass fibre/polyester design, offering 6.16m ² (66.3ft ²) of filtration area for high-efficiency particle capture.	40370110
	Multifunctional control box with enhanced inputs/outputs capable of managing up to four accessory connections. Allows the integration of additional switches and warning signals, enabling comprehensive system control.	40370040



PAK-M dimensions