

NPU 5000 Eco

Negative Pressure Units

The NPU 5000+ is a medium unit in our range, providing a nominal airflow of 5000 m³/hr. It is housed in a weld-free, polyethylene case, making it light and yet still sturdy enough to withstand daily use on site. It is fitted with an advanced EC digital motor which uses less energy without compromising performance, making it more efficient and cheaper to run than previous models. It is typically used in the controlled removal of asbestos-containing materials and is a versatile unit for most jobs.

Filtering contaminated air is critical to controlling the spread of hazardous substances. SMH's air filtration units are designed to tackle a wide range of contaminants, including asbestos, smoke, dust, pollen, bacteria, fungi and viruses.

Air is drawn into the unit by a powerful motor and through a series of filters with each filter operating with a higher efficiency than the last. This is a two-stage process: a pleated pre-filter which removes all larger particulates from the air, down to 10µm in diameter, and a secondary filter, typically a HEPA (High Efficiency Particulate Air) filter which captures smaller particulates. A H14-class HEPA filter captures at least 99.995% of all particulates around 0.3µm in diameter, and is even more efficient at capturing particulates <0.1µm and >1µm. The filtered air is then vented to the environment.

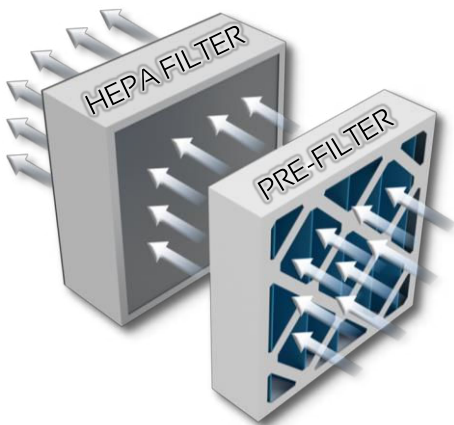


At a glance

- All units conform to the high specification of British Standards for equipment used in the controlled removal of asbestos-containing materials as well as a range of other relevant standards
- Sturdy and light, with handles for easier lifting
- Polypropylene housing which is easy to clean
- Quick and easy pre-filter replacement while in situ
- Efficient two-stage air filtration with a pre-filter and a HEPA filter

Eco Features

- Advanced EC digital motor with soft-start technology which lowers operating costs and improves service life;
- Excellent power-to-performance efficiency: uses 47% less energy compared to previous models.



Available to buy or hire – contact your nearest branch

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Technical Data

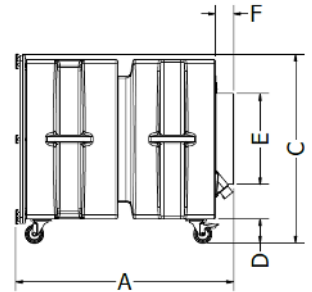
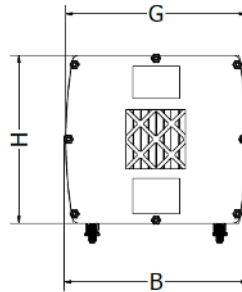
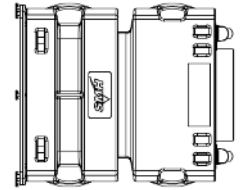
Specifications

Case	Case material	Polyethylene
	Case colour	Grey
	Weight (kg)	65
Electric	Voltage (V)	110
	Mains frequency (Hz)	50
	Supply (no. of phases)	1
	Power, input, max. (W)	2000
	Current, nominal (A)	2x 14
	Electrical protection	2x 16A MCB
	Isolation on/off switch	✓
Airflow & Filters	Nominal airflow (m ³ /hr)	5000
	Nominal airflow (CFM)	2942
	Noise level, max. (dBA) Measured at 1m distance without ducting	86
	Differential pressure gauge (Pa)	0-1250
	Pre-filter dimensions (mm)	596x596x98
HI4 HEPA filter dimensions (mm)	610x610x292	
Dimensions	Case length, A (mm)	957
	Case width, B (mm)	808
	Case height, C (mm)	831
	Floor clearance height, D (mm)	107
	Exhaust outlet diameter, E (mm)	400
	Exhaust outlet depth, F (mm)	80
	Cover plate width, G (mm)	793
	Cover plate height, H (mm)	737

Certification

- All units come PAT and DOP tested;
- The NPU's comply with BS EN 8520-2:2009 Equipment used in the controlled removal of asbestos-containing materials (ACMs);
- The NPU's HEPA filter complies with BS EN 1822-1;
- All appliances comply with BS EN 60335-2-69 Household and similar appliances;
- The units are manufactured at an ISO 9001 quality assured site.

Technical Drawing



Optional Extras & Accessories

Extras	Hour meter	✓
	Airflow monitor	✓
	Variable speed control	✓
	Pre-filter viewing window	✓
Accessories	Spigot plate	✓
	Rooving filter	✓
	Clear cover plate	✓

