

NPU 10,000 Eco

Negative Pressure Units

The NPU 10,000 Eco is one of the largest units in our range, providing a nominal airflow of 10,000 m³/hr. 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 an ideal unit for large scale projects.

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.

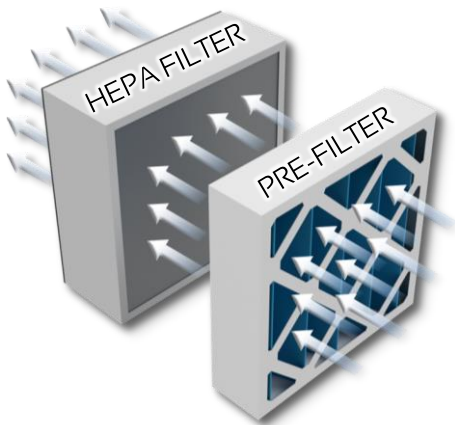


At a glance

- 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 robust design, 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

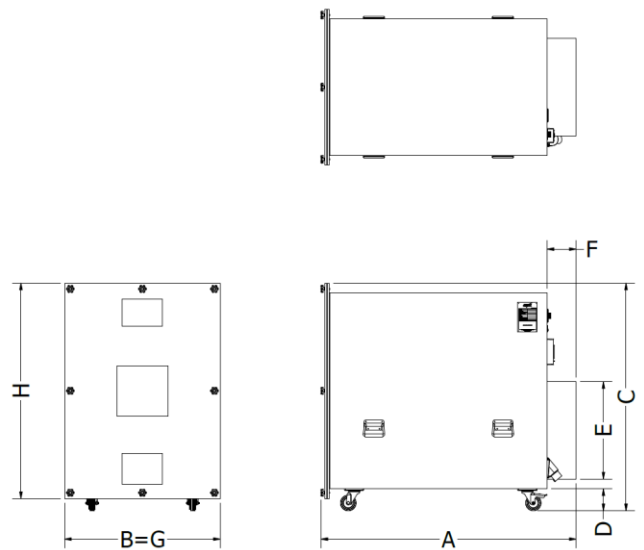
Specifications

Case	Case material	Polypropylene
	Case colour	Grey
	Weight (kg)	135
Electric	Voltage (V)	110
	Mains frequency (Hz)	50
	Supply (no. of phases)	1
	Power, input, max. (W)	2270
	Current, nominal (A)	20
	Electrical protection	20A MCB
	Isolation on/off switch	✓
Airflow & Filters	Nominal airflow (m ³ /hr)	10000
	Nominal airflow (CFM)	5885
	Noise level, max. (dBA) Measured at 1m distance without ducting	86
	Differential pressure gauge (Pa)	0-1250
	Pre-filter dimensions (mm)	905x595x97
	H14 HEPA filter dimensions (mm)	915x610x292
Dimensions	Case length, A (mm)	1310
	Case width, B (mm)	800
	Case height, C (mm)	1169
	Floor clearance height, D (mm)	113
	Exhaust outlet diameter, E (mm)	500
	Exhaust outlet depth, F (mm)	150
	Cover plate width, G (mm)	800
	Cover plate height, H (mm)	1106

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	✓
	Roving filter	✓
	Clear cover plate	✓

Fan Curve

