

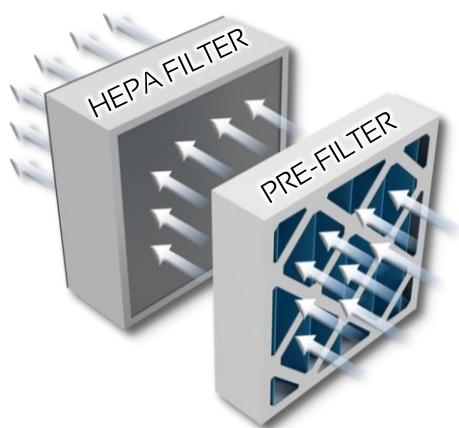
## NPU 5000+

### Negative Pressure Units

The NPU 5000+ is a medium unit in our range, providing a nominal airflow of 5000 m<sup>3</sup>/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 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
- Polyethylene 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

**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 (m³/hr)	5000
	Nominal airflow (CFM)	2942
	Noise level, max. (dBA) <small>Measured at 1m distance without ducting</small>	86
	Differential pressure gauge (Pa)	0-1250
	Pre-filter dimensions (mm)	596x596x98
	H14 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

## Optional Extras & Accessories

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

## 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

