

# NPU 2500+

## Air filtration units

SMH's range of air filtration units also known as air scrubbers or negative pressure units (NPU) provides mobile filtered air extraction to control environments where airborne contaminants are a potential risk to human health, such as in pharmaceutical, biomedical, demolition and remediation work. They are designed to create negative pressure within a portable decontamination unit facility or working enclosure. All SMH NPUs comply with BS EN 8520-2:2009.

The NPU 2500+ is the latest addition to SMH's range of NPUs, with a totally redesigned body - weld-free, it is easy to clean and the polyethylene case is light and yet still sturdy enough to withstand daily use on site.

Its powerful motor provides a huge nominal airflow of 2750m<sup>3</sup>/hr for what is still a relatively compact size and lightweight. With particle filtration of 99.995% at 0.3 microns, the HEPA (High Efficiency Particulate Air) filter can clean contaminated air of potentially harmful particles such as asbestos, bacteria and some viruses.



### New non-return flap



### At a glance

- Available to buy or hire – see overleaf for order codes to buy, or speak to your local branch about hiring a unit
- Conforms to all relevant British Standards - see overleaf for more details
- New design polyethylene moulded housing is weld-free, robust and easy to clean—and designed to be easily stackable
- Lighter than its predecessor, with moulded handles for easier lifting
- Upgraded exhaust flap ensures full closure when there is no airflow
- Fully MCB protected to ensure the total safety of users
- Available to buy in a range of colours
- Servicing and repairs available from your local SMH branch - we recommend a full service at least once every six months. NPU's sold outside of the UK must be examined and serviced at least once every twelve months and in accordance with local regulations and approved codes of practice.

### Contact your nearest branch

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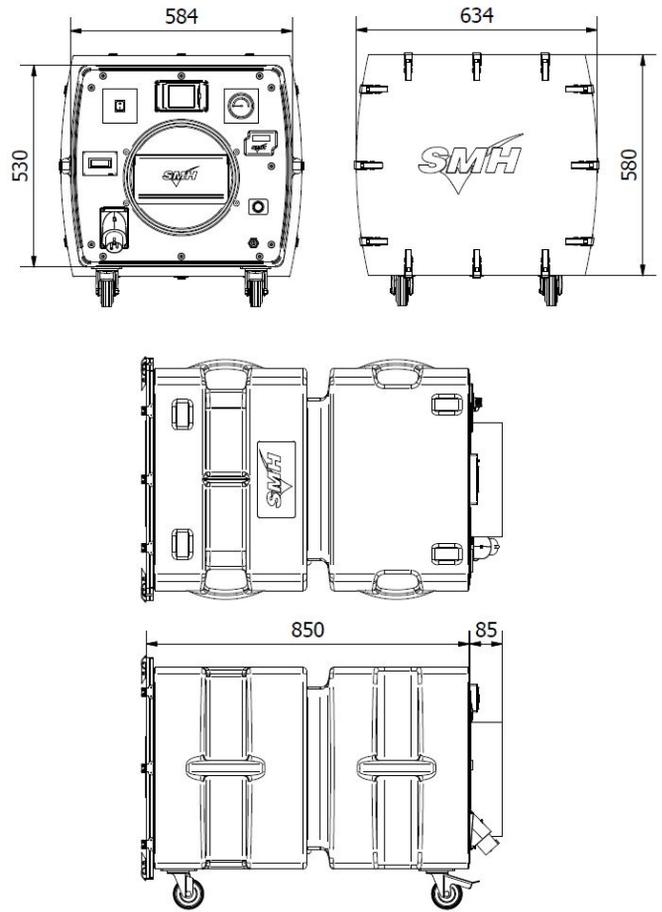
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# Technical specification for the NPU 2500+

## Specifications

<b>Case</b>	Moulded polyethylene, weld-free, available to buy in a range of colours
<b>Airflow</b>	2750 m <sup>3</sup> /hr (average) 1619 CFM (average)
<b>Noise</b>	<86 dbA when measured at 1m
<b>Electrical</b>	1 x High capacity motor which runs on single phase 110/120v-50Hz or 220/240v-50Hz supply Maximum input 1kW 110v: MCB Protected 230v: RCBO Protected
<b>Filter</b>	1 x prefilter (450x450x98mm) 1 x H14 HEPA filter with an efficiency of 99.995% at 0.3 microns (457x457x292mm)
<b>Weight</b>	46kg
<b>Optional Extras</b>	<ul style="list-style-type: none"> <li>▪ Airflow monitor</li> <li>▪ Variable Flow Controller</li> <li>▪ Hour Meter (standard on 230V units)</li> </ul>

## Dimensions (mm)



## Certifications and approvals

- The NPUs are **PAT** and **DOP** tested
- The NPUs comply with **BS EN 8520-2:2009** Equipment used in the controlled removal of asbestos-containing materials (ACMs)
- The NPU HEPA filters comply with **BS EN 1822-1** HEPA H14 filtration
- The units are manufactured at an **ISO 9001** quality assured site

## Parts and accessories

### Parts

1. Manometer (B001579)
2. MCB 16amp
3. Non-return flap
4. Inlet socket 110v (B001248)
- 4a. Inlet socket 230v (B001274)
5. Motor plate assembly
6. 110v motor (B001586)
- 6a. 230v motor (B001588)

7. Braked swivel castor (B001575)
8. NPU body
9. Swivel castor (B001581)
10. HEPA filter (B002218)
11. HEPA push plate
12. Pre-filter (B001048)
13. Front cover plate
14. Over centre clips (B001549)

### Accessories

- Roving filter box (B001573)
- Spigot plate (B001569)
- Heavy duty ducting (B002045)