

Medi-Vent™ clean air unit



Applications

The Filterfit Medi-Vent™ clean air unit is designed to provide negative air pressure to critical areas where airborne contaminants and noise emission are a problem. Areas such as the hospital environment where patient welfare is paramount make Medi-Vent™ the ideal choice for the following:

- Building works
- Isolation rooms
- Clean air zones
- Equipment rooms

Description

The Medi-Vent™ is fully designed and manufactured in Australia. Its primary function is to provide a negative air pressure to a room or area where possible dust and airborne micro-organisms such as Aspergillus may be present.

With operating noise levels under 50 decibels, it draws contaminated air through a three-stage filtration system ensuring clean air is delivered into adjacent work zones. Units are fitted with an audible alarm to indicate when filters require replacement. End panels are interchangeable giving greater flexibility when required.

The Medi-Vent™ can be used as either a ducted or recirculatory unit.

- Sound level under 50 decibels
- Modular construction
- Variable speed control
- Audible alarm
- Interchangeable ends
- Hospital grade castors
- Three stage filtration
- Dual magnehelic gauges
- Portability
- Ducted or free-standing
- Ergonomic design

Performance

Each Medi-Vent™ incorporates a three-stage filtration system. The first stage traps and removes the larger particles and gives extended life to the second and third stage filters.

The second stage is a deep bed filter with the third stage being a HEPA providing 99.99% efficiency to 0.3 micron. Each HEPA filter is individually tested and certified to guarantee its efficiency. All testing is conducted to international standards.



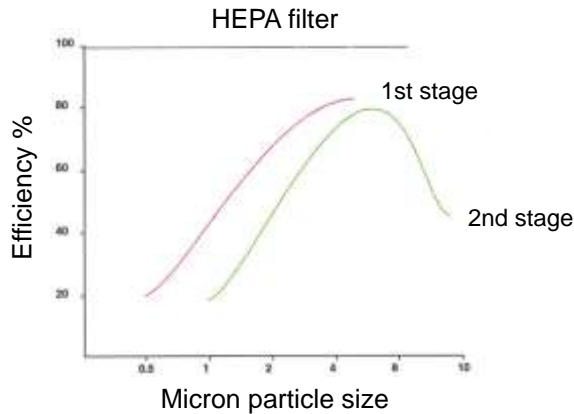
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Operational noise levels

44 D.B.A. @ 280 L/S

48 D.B.A. @ 400 L/S

55 D.B.A. @ 480 L/S



Construction

The Medi-Vent™ is constructed of heavy gauge steel and finished in a durable two part epoxy finish. Generous end panels allow access to filter and fan.

Castors fitted to the Medi-Vent™ are of a hospital grade and supplied with brakes and directional lock fitted for extra safety, to prevent movement of the unit whilst on site or in storage. Ergonomically positioned handles are fitted for ease of lifting and positioning.

Fans

Variable speed direct drive fan enables airflow adjustment to extend filter life.

Electrical

Via a 10 amp single phase 240v Power supply

Filter replacement

Two different pressure gauges mounted in the recessed control panel continuously monitor the contaminant loading on the filters. An audible alarm will sound to indicate to the operator when filters require replacement.

A complete set of filters should be kept on site to reduce any downtime. Only genuine Filterfit replacement parts should be used.

Servicing

Under normal conditions daily monitoring of filters should provide adequate needs.

However should the unit be used without the HEPA filter installed, a full decontamination of the unit would need to be carried out. This will ensure cleanliness before it is used in other areas.

