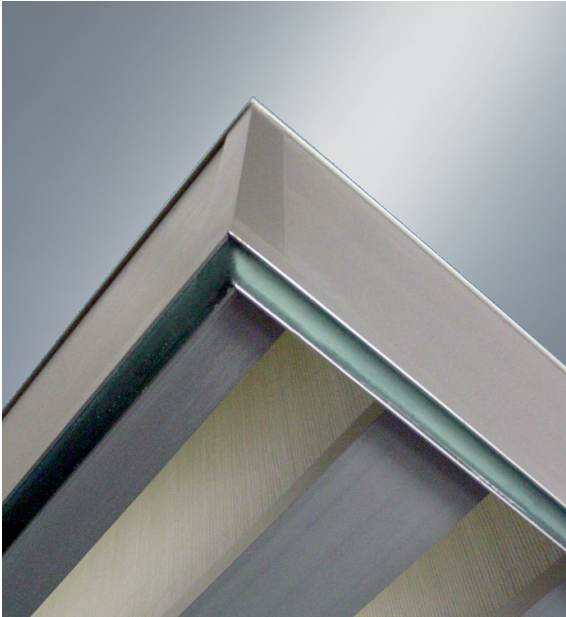


The image displays two rectangular HEPA filters against a light gray background. The filter in the upper left is a Microbarrier HEPAMAX 2000, featuring a dark gray frame and five vertical, pleated filter elements with a copper-colored mesh. The filter in the lower right is a HEPAMAX 2400, with a similar dark gray frame and six vertical, pleated filter elements that are white. A semi-transparent white box with green text is overlaid on the upper filter.

Microbarrier  
HEPAMAX™ 2000  
& HEPAMAX™ 2400  
High Flow HEPA  
Filters

# Microbarrier HEPAMAX™ 2000 High Flow HEPA's



Microbarrier HEPAMAX™ 2000 gel seal

## FEATURES

- V-Bank construction
- Max operating temp: 170°F
- Max air flow rating: 500 FPM
- Low pressure drop
- Mini pleat media packs
- Extended service life
- Reduced energy consumption
- Efficiencies available from 99.97% @ 0.3  $\mu\text{m}$  to 99.99% @ 0.3  $\mu\text{m}$
- Metal and plastic frame options available
- Gasket or gel seal available
- Quality controlled manufacturing facility

MANN+HUMMEL Air Filtration Americas' Microbarrier HEPAMAX™ 2000 high flow filters are designed for use in demanding applications where high air flow and high efficiency filtration are required. Applications include medical, pharmaceutical, microelectronics, biotech, food processing, as well as other disciplines. Microbarrier HEPAMAX™ 2000 utilizes V-Bank construction to maximize air flow and minimize resistance, thereby offering an extended service life and reduced energy consumption. The Microbarrier HEPAMAX™ 2000 has approximately 400 sq. ft. (37 m<sup>2</sup>) of media due to its V-Bank configuration.

The Microbarrier HEPAMAX™ 2000 features an increased media area and pleat geometry design. These features allow this filter to be used in high air flow applications. A standard capacity separator style HEPA filter is rated at only 250 FPM (1.3 m/sec) or 1000 CFM (0.47 m<sup>3</sup>/sec) for a 24" x 24" x 11.5" filter where the Microbarrier HEPAMAX™ 2000 is rated at 500 FPM (2.5 m/sec) or 2000 CFM (0.94 m<sup>3</sup>/sec) – a 100% increase. This is helpful in applications where there are space limitations.

An additional feature of the Microbarrier HEPAMAX™ 2000 is its low resistance – only 1.0" w.g. (250 Pa) at 500 FPM (2.5 m/sec). That is a 23% reduction from separator style high capacity HEPA filters. The combination of extended media area and low resistance allows the Microbarrier HEPAMAX™ 2000 to offer 3 to 4 times longer service life than standard separator style HEPA filters.

# Microbarrier HEPAMAX™ 2400 High Flow HEPA's



Microbarrier HEPAMAX™ 2400 gasket seal

## FEATURES

- V-Bank construction
- Max operating temp: 170°F
- Max air flow rating: 600 FPM
- Low pressure drop
- Mini pleat media packs
- Extended service life
- Energy saver
- Efficiency available 99.99% @ 0.3  $\mu$ m
- Metal and plastic frame options available
- Gasket seal
- Quality controlled manufacturing facility

Microbarrier HEPAMAX™ 2400 high flow filters from MANN+HUMMEL Air Filtration Americas are designed for demanding applications where high efficiency, maximum air flow and low pressure drop are essential. Applications include pharmaceutical, medical, microelectronics, food processing and biotech as well as other disciplines. The Microbarrier HEPAMAX™ 2400 features mini pleat packs in a V-Bank configuration to maximize air flow and reduce resistance. This is achieved with over 400 sq. ft. (37 m<sup>2</sup>) of media in the Microbarrier HEPAMAX™ 2400 product.

The Microbarrier HEPAMAX™ 2400 comes with frame options of galvanized, stainless steel and plastic. The plastic frame includes an integral handle for safe and easy transportation and installation. The plastic frame also offers a lighter weight option when compared to the metal frames and it is also incinerable.

The Microbarrier HEPAMAX™ 2400 features supreme air flow of 2400 CFM (4000 m<sup>3</sup>/h) for a 24" x 24" x 11.5" filter, which is 600 FPM (3.0 m/sec) with an initial pressure drop of 1.0" w.g. (250 Pa) @ 600 FPM for metal frames and 1.3" w.g. (324 Pa) @ 600 FPM for plastic frames. This combination of low, energy saving resistance and high air flow makes the Microbarrier HEPAMAX™ 2400 the choice for demanding applications that need HEPA filtration.

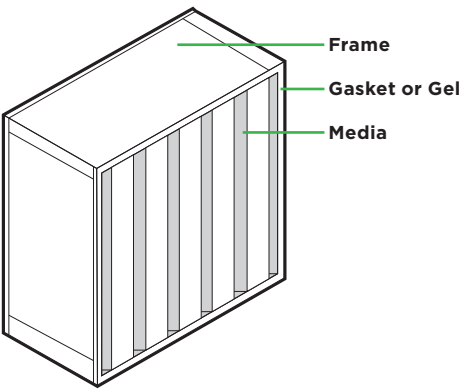
# Microbarrier HEPAMAX™ 2000 & 2400

## Technical Specifications

### TYPICAL APPLICATIONS

- Healthcare
  - Biotech
  - Pharmaceutical
  - Food processing
  - Semiconductor
  - Biomedical
- Universities
  - Laboratories
  - Industrial applications
  - Photo processing
  - Mushroom growers
  - Research facilities

### TECHNICAL DRAWING



### TECHNICAL DATA

|                                  | EXACT SIZE<br>Inches (mm)<br>HxWxD  | FRAME<br>STYLE                 | SEAL<br>STYLE | AIR FLOW<br>FPM (m/sec) | EFFICIENCY<br>@ 0.3 microns | AIR FLOW<br>CFM (m³/h) | INITIAL PRESSURE DROP<br>inches w.g. (Pa) |
|----------------------------------|-------------------------------------|--------------------------------|---------------|-------------------------|-----------------------------|------------------------|---|
| Microbarrier<br>HEPAMAX™<br>2000 | 24 x 24 x 11.5<br>(610 x 610 x 292) | Anodized Aluminum              | Gasket or Gel | 500<br>(2.5 m/sec)      | 99.97% and 99.99%           | 2000<br>(3400 m³/h)    | 1.0" w.g. +/- 10%<br>(250 Pa)             |
|                                  | 24 x 24 x 11.5<br>(610 x 610 x 292) | Plastic                        | Gasket        | 500<br>(2.5 m/sec)      | 99.99%                      | 2000<br>(3400 m³/h)    | 1.0" w.g. +/- 10%<br>(250 Pa)             |
| Microbarrier<br>HEPAMAX™<br>2400 | 24 x 24 x 11.5<br>(610 x 610 x 292) | Galvanized/<br>Stainless Steel | Gasket        | 600<br>(3.0 m/sec)      | 99.99%                      | 2400<br>(4000 m³/h)    | 1.0" w.g. +/- 10%<br>(250 Pa)             |
|                                  | 24 x 24 x 11.5<br>(610 x 610 x 292) | Plastic                        | Gasket        | 600<br>(3.0 m/sec)      | 99.99%                      | 2400<br>(4000 m³/h)    | 1.3" w.g. +/- 10%<br>(324 Pa)             |

MANN+HUMMEL is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice. MANN+HUMMEL products are manufactured to exacting criteria – there can be a ±5% variance in filter performance.

### LOCAL REPRESENTATIVE