



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 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 μm to 99.99% @ 0.3 μm
- 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 m²) 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 m³/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 m³/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 air flow rating: 600 FPM
- Low pressure drop
- Mini pleat media packs
- Extended service life
- Energy saver
- Efficiency available 99.99% @ 0.3 μm
- 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 m²) 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.

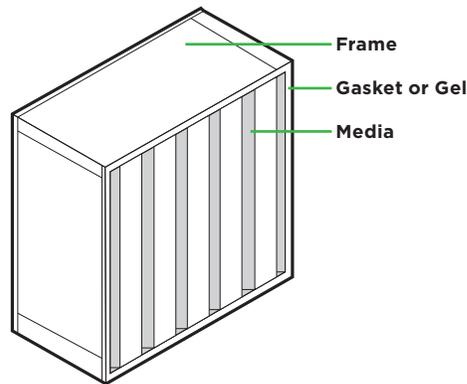
The Microbarrier HEPAMAX™ 2400 features supreme air flow of 2400 CFM (4000 m³/h) for a 24" x 24" x 11.5" filter, which is 600 FPM (3.0 m/sec) with an initial pressure drop of 1.0" w.g. (250 Pa) @ 600 FPM for metal frames and 1.3" w.g. (324 Pa) @ 600 FPM for plastic frames. This combination of low, energy 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 Inches (mm) HxWxD	FRAME STYLE	SEAL STYLE	AIR FLOW FPM (m/sec)	EFFICIENCY @ 0.3 microns	AIR FLOW CFM (m³/h)	INITIAL PRESSURE DROP inches w.g. (Pa)
Microbarrier HEPAMAX™ 2000	24 x 24 x 11.5 (610 x 610 x 292)	Anodized Aluminum	Gasket or Gel	500 (2.5 m/sec)	99.97% and 99.99%	2000 (3400 m³/h)	1.0" w.g. +/- 10% (250 Pa)
	24 x 24 x 11.5 (610 x 610 x 292)	Plastic	Gasket	500 (2.5 m/sec)	99.99%	2000 (3400 m³/h)	1.0" w.g. +/- 10% (250 Pa)
Microbarrier HEPAMAX™ 2400	24 x 24 x 11.5 (610 x 610 x 292)	Galvanized/ Stainless Steel	Gasket	600 (3.0 m/sec)	99.99%	2400 (4000 m³/h)	1.0" w.g. +/- 10% (250 Pa)
	24 x 24 x 11.5 (610 x 610 x 292)	Plastic	Gasket	600 (3.0 m/sec)	99.99%	2400 (4000 m³/h)	1.3" w.g. +/- 10% (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