

The image shows two HEPA filters side-by-side. The filter on the left is white with a black frame, and the one on the right is light blue with a black frame. A semi-transparent white box is centered over the filters, containing text in green. The background is a plain, light-colored surface.

Microbarrier HEPA
MP/HEPAMAX™ MP
Mini Pleat Style
HEPA Filters

Microbarrier HEPA MP/ HEPAMAX™ MP Mini Pleat Style HEPA's

FEATURES

- Available in standard & high flow models
- 5.12" (130 mm) HEPA MP & 8.66" (220 mm) HEPAMAX™ MP deep media packs
- Variety of frame materials – both MDF particleboard & galvanized
- Microfiber media packs
- Mini pleat technology
- Efficiencies available from 99.97% to 99.99% @ 0.3 μm
- Recessed media pack
- Quality controlled manufacturing

APPLICATIONS

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



COST EFFECTIVE, HIGH EFFICIENCY

MANN+HUMMEL Air Filtration Americas' Microbarrier HEPA MP & HEPAMAX™ MP filters utilize state-of-the-art technology to offer a high efficiency, low resistance and cost effective replacement to traditional separator style HEPA filters.

Microbarrier HEPA MP & HEPAMAX™ MP standard depth is just 11½" (292 mm) deep to offer easy replacement for separator style filters. MANN+HUMMEL utilizes the latest in mini pleat technology to produce an approximately 5" (130mm) deep media pack for the Microbarrier HEPA MP. This mini pleat pack, though only 5" deep, offers a low initial resistance of only 0.95" w.g. (236 PA) at 250 FPM (1.3 m/sec).

The Microbarrier HEPAMAX™ MP media pack is approximately 8.7" (220mm) deep and offers a low initial resistance of 1.4" w.g. (348 PA) at 500 FPM (2.5 m/sec). This is lower or comparable to a traditional separator style filter.

The pleats are separated and secured by an adhesive bead separator. The Microbarrier HEPA MP & HEPAMAX™ MP separator system is precisely applied to promote uniform air flow and to eliminate the fiber break off related with different pleating methods. The Microbarrier HEPA MP & HEPAMAX™ MP media pack is manufactured on a computer controlled pleater for consistent and repeatable media packs.

Microbarrier HEPA MP/ HEPAMAX™ MP When Clean Air is Critical

CONSTRUCTION

Microbarrier HEPA MP & HEPAMAX™ MP filters are available in a variety of frame materials. Standard offerings are the galvanized and MDF high density particleboard frame. The specially designed MDF frame offers both economy and ease of disposal.

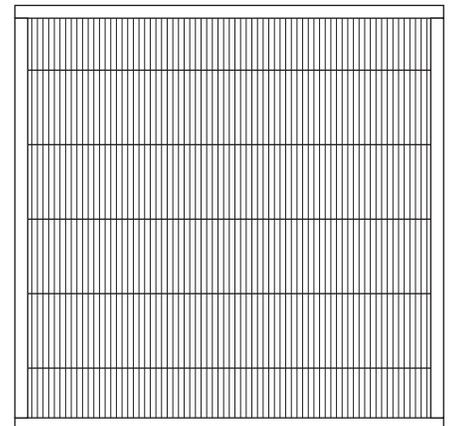
Microbarrier HEPA MP & HEPAMAX™ MP filters are rated at a minimum efficiency of 99.97% on a 0.3 micron size particle. That is at a rated air flow of 250 FPM (1.27 m/sec) for the Microbarrier HEPA MP, and 500 FPM (2.54 m/sec) for the Microbarrier HEPAMAX™ MP.

Microbarrier HEPA MP & HEPAMAX™ MP features a recessed media pack. This offers valuable protection of the high efficiency media pack from rough handling, punctures, etc. This benefit is most valuable during installation to protect the filter from handling damage, such as technicians accidentally putting their fingers through the media. Microbarrier HEPA MP & HEPAMAX™ MP also has the advantage of no metal separators to damage the media pack.

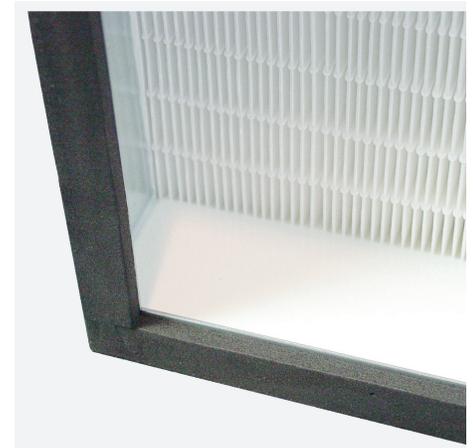
Microbarrier HEPA MP & HEPAMAX™ MP filters are offered with a standard neoprene gasket that is 0.75" (19 mm) wide by 0.25" (6 mm) thick. This is available on either the upstream, downstream or on both faces of the filter. Other gasket options are available.

MANUFACTURED TO THE HIGHEST STANDARDS

MANN+HUMMEL is proud of our quality controlled, Microbarrier production facility that houses state-of-the-art manufacturing equipment. MANN+HUMMEL is a full line filter manufacturer able to provide a complete range of HVAC and Cleanroom filtration products and services. MANN+HUMMEL also provides local service through a network of dedicated, factory trained sales professionals that can work with you on your filtration requirements.



Microbarrier HEPA MP/HEPAMAX™ MP drawing



Standard neoprene gasket

Microbarrier HEPA MP/ HEPAMAX™ MP

Technical Specifications

TECHNICAL DATA

Product	MICROBARRIER HEPA MP - STANDARD CAPACITY	MICROBARRIER HEPAMAX™ MP - HIGH CAPACITY
Recommended Air Flow/Resistance	250 FPM = 0.95' w.g. (1.25 m/s = 236 PA)	500 FPM = 1.40' w.g. (2.5 m/s = 124 PA)
Temperature Limit	160 °F (71 °C)	160 °F (71 °C)
Gasket Seal	Galvanneal or MDF high density particle board	Galvanneal or MDF high density particle board
Sealant	Polyurethane	Polyurethane
Media	Glass microfiber	Glass microfiber
Separators	Glue bead	Glue bead

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