



Tri-Pure MP & MPX
Mini-Pleat Style
HEPA Filters

Tri-Pure MP & MPX Mini-Pleat Style HEPA Filters

FEATURES

- Available in standard and high-flow models
- 130 mm (MP) and 220 mm (MPX) deep media packs
- Variety of frame materials – both MDF particleboard and 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

Tri-Dim Filter Corporation's Tri-Pure™ MP and MPX filters utilize state-of-the-art technology to offer a high efficiency, low resistance and cost-effective replacement to traditional separator-style HEPA filters.

Tri-Pure™ MP and MPX standard depth is just 11½" (292 mm) deep to offer easy replacement for separator style filters. Tri-Dim utilizes the latest in mini-pleat technology to produce a 130mm (approximately 5-inch) deep media pack for the Tri-Pure™ MP. This mini-pleat pack, though only 5-inches deep, offers a low initial resistance of only 0.95" W.G. (236 PA) at 250 FPM (1.3 m/sec).

The Tri-Pure™ MPX media pack is 220mm (approximately 8.7 inch) 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 Tri-Pure™ MP and MPX separator system is precisely applied to promote uniform air flow and to eliminate the fiber break-off related with different pleating methods. The Tri-Pure™ MP and MPX media pack is manufactured on a computer-controlled pleater for consistent and repeatable media packs.

Tri-Pure MP & MPX

When clean air is critical

CONSTRUCTION

Tri-Pure™ MP and MPX HEPA filters are available in a variety of frame materials. Standard offerings are the galvaneal and MDF high-density particleboard frame. The specially-designed MDF frame offers both economy and ease of disposal.

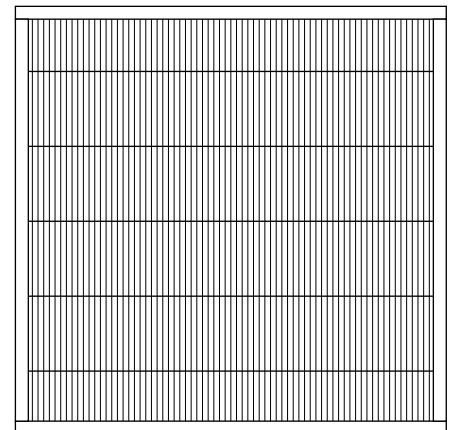
Tri-Pure™ MP and MPX HEPA filters are rated at a minimum efficiency of 99.97% on a 0.3-micron size particle. That's at a rated air flow of 250 FPM (1.27 m/sec) for the Tri-Pure MP, and 500 FPM (2.54 m/sec) for the Tri-Pure MPX.

Tri-Pure™ MP and MPX 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. Tri-Pure™ MP and MPX also has the advantage of no metal separators to damage the media pack.

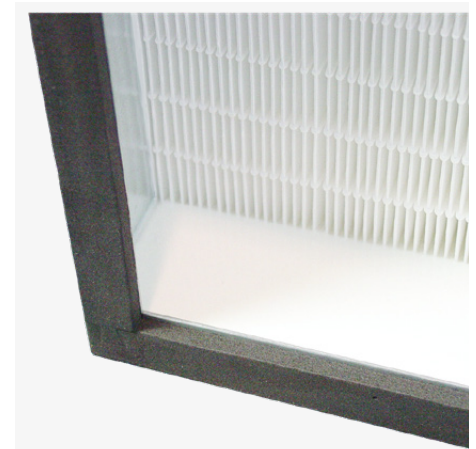
Tri-Pure™ MP and MPX HEPA filters are offered with a standard neoprene gasket that is 0.75" (19 mm) wide by 0.25" (6 mm) thick. This is available on either the upstream, downstream or on both faces of the filter. Other gasket options are available.

MANUFACTURED TO THE HIGHEST STANDARDS

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



Tri-Pure MP & MPX drawing



Standard neoprene gasket

Tri-Pure MP & MPX

Technical Data

SPECIFICATIONS

Product	Tri-Pure MPX - High-Capacity HEPA	Tri-Pure MP - Standard-Capacity HEPA
Recommended air flow/resistance	500 FPM = 1.40 "W.G. (2.5 m/s = 124 Pa)	250 FPM = 0.95 "W.G. (1.25 m/s = 236 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

Tri-Dim Filter Corporation is committed to continual product development - all descriptions, specifications and performance data are subject to change without notice. Tri-Dim products are manufactured to exacting criteria - there can be a ±5% variance in filter performance.

LOCAL REPRESENTATIVE