



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  $\mu\text{m}$
- 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.

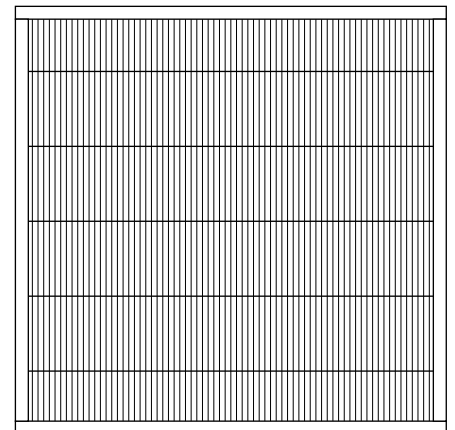
Tri-Pure™ MP and MPX HEPA filters are rated at a minimum efficiency of 99.97% on a 0.3-micron size particle. That's at a rated air flow of 250 FPM (1.27 m/sec) for the Tri-Pure MP, and 500 FPM (2.54 m/sec) for the Tri-Pure MPX.

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.

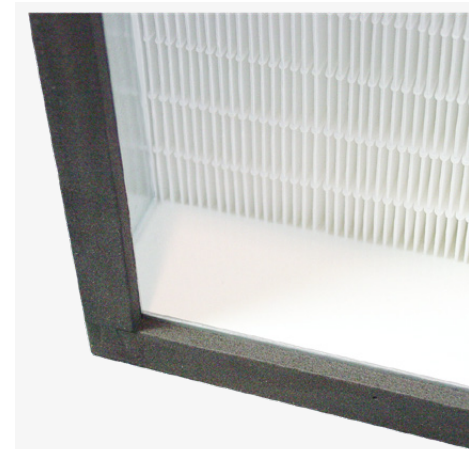
Tri-Pure™ MP and MPX HEPA filters are offered with a standard neoprene gasket that is 0.75" (19 mm) wide by 0.25" (6 mm) thick. This is available on either the upstream, downstream or on both faces of the filter. Other gasket options are available.

### 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.<br>(2.5 m/s = 124 Pa)    | 250 FPM = 0.95 "W.G.<br>(1.25 m/s = 236 Pa)   |
| Temperature limit               | 160 °F<br>(71 °C)                             | 160 °F<br>(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