

TRI-PURE™ MP HEPA FILTERS

T E C H N I C A L B U L L E T I N



MINI-PLEAT HEPA FILTERS FOR SEPARATOR STYLE APPLICATIONS

FEATURES:

- ☑ **Mini-Pleat Technology**
- ☑ **Replacement for Separator-Style**
- ☑ **Low Initial Resistance**
- ☑ **Standard Frame Material – Galvanized, MDF Particleboard**
- ☑ **130mm Deep Pack**
- ☑ **99.97% and 99.99% Efficiency**
- ☑ **Recessed Media Pack**
- ☑ **Quality-Controlled Manufacturing Facility**

Tri-Dim Filter Corporation's TRI-PURE MP utilizes state-of-the-art technology to offer a high efficiency, low resistance, and cost-effective replacement to separator-style HEPA filters.

TRI-PURE MP standard depth offering is 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 pack. This mini-pleat pack, even 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). This is lower than a traditional separator style filter. The pleats are separated and secured by an adhesive bead separator. The TRI-PURE separator system is precisely applied to promote uniform airflow and to eliminate the fiber break-off related with different pleating methods. The TRI-PURE media pack is manufactured on a computer-controlled pleater for consistent and repeatable media packs.

The TRI-PURE MP is available in a variety of frame materials. Standard offerings are the galvanized and MDF particleboard frame. The specially designed MDF frame offers both economy and ease of disposal.

TRI-PURE MP HEPA filters are rated at a minimum efficiency of 99.97% on a 0.3-micron size particle at a rated airflow of 250 FPM (1.27 m/sec). Scanned tested TRI-PURE MP filters have a minimum efficiency of 99.99% (available metal frame only).

The TRI-PURE MP features a recessed media pack – the benefit is 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 and the accidental finger through the media from technicians during the installation process. The TRI-PURE MP also has the advantage of no metal separators to damage the media pack.

The TRI-PURE MP HEPA filter is offered with a standard gasket that is 0.75" (19 mm) wide x 0.25" (6 mm) thick neoprene and is available on either upstream, downstream or on both faces of the filter. Other gasket options are available.

Tri-Dim is proud of our quality-controlled TRI-PURE cleanroom production facility that houses state-of-the-art manufacturing equipment.

Tri-Dim is a full line filter manufacturer able to provide a full range of HVAC and Cleanroom filtration products and services to you and your company. Tri-Dim also provides local service through a network of dedicated, factory-trained sales professionals that can work with you on your filtration needs.



TRI-PURE MP with
MDF Frame

TRI-PURE™ MP Technical Data

SPECIFICATIONS

Recommended Airflow = 250 FPM (1.27 m/sec)

Initial Resistance @ 250 FPM = 0.95" W.G. (236 PA)

**Standard Frame Construction = Galvanized, MDF
(Medium Density Fiberboard) Particleboard**

Standard Sealant = Polyurethane

Standard Gasket = Neoprene

Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice.
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