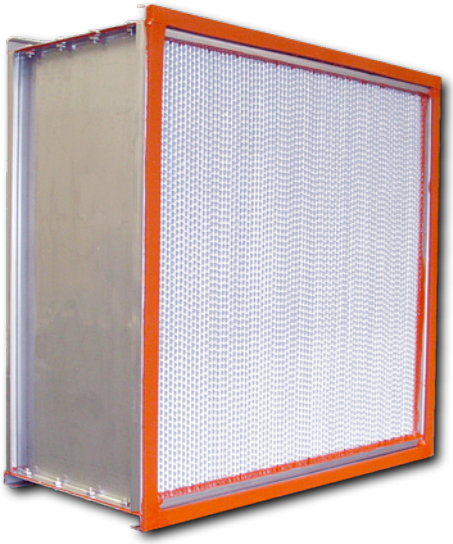
TRI DIM FILTER CORPORATION

TRI-PURE™ HEPA HT & HEPAMAX™ HT FILTERS

TECHNICAL BULLETIN



HIGH TEMPERATURE SEPARATOR STYLE HEPA FILTERS FOR CRITICAL APPLICATIONS

FEATURES:

- ☑ **Rated Up to 500°F (260°C)**
- ☑ **Quality-Controlled Manufacturing Facility**
- ☑ **Microfiber Media Packs**
- ☑ **Rolled and Tapered Aluminum Separators**
- ☑ **Available Efficiencies from 99.97% to 99.99% @ 0.3 µm**
- ☑ **Available in Standard and High Flow Models**
- ☑ **Gasket Seal**

Tri-Dim Filter Corporation's TRI-PURE™ HEPA HT and HEPAMAX™ HT filters are designed for the challenging environments of high temperature applications where high demands are placed on HEPA filters. TRI-PURE™ high temperature filters are rated up to 500°F (260°C). Tri-Dim's quality-controlled manufacturing facility ensures that you receive the highest quality products.

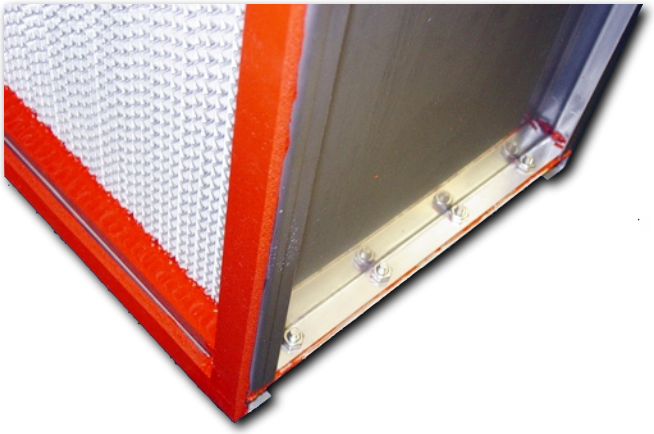
TRI-PURE™ HEPA HT and HEPAMAX™ HT filter media packs are constructed utilizing a moisture resistant, glass microfiber. The TRI-PURE™ media pack is supported by aluminum separators that are rolled and tapered and placed between each pleat to maximize performance, insure maximum airflow at minimum resistance and to protect the media pack.

HEPA filters are tested to have a minimum efficiency of 99.97% on 0.3 micron size particles when tested at the rated airflow. Using an approved oil aerosol, the particles upstream and downstream of the filter are sized and counted using a laser particle counter to determine the penetration and to calculate the filters efficiency.

Scan Tested HEPA filters have a minimum efficiency of 99.99% on 0.3 micron size particles when tested at the rated airflow. In addition, the filters are scan tested to insure there are no leaks greater than 0.01% of the upstream challenge in the media pack and in the media pack to frame seal.

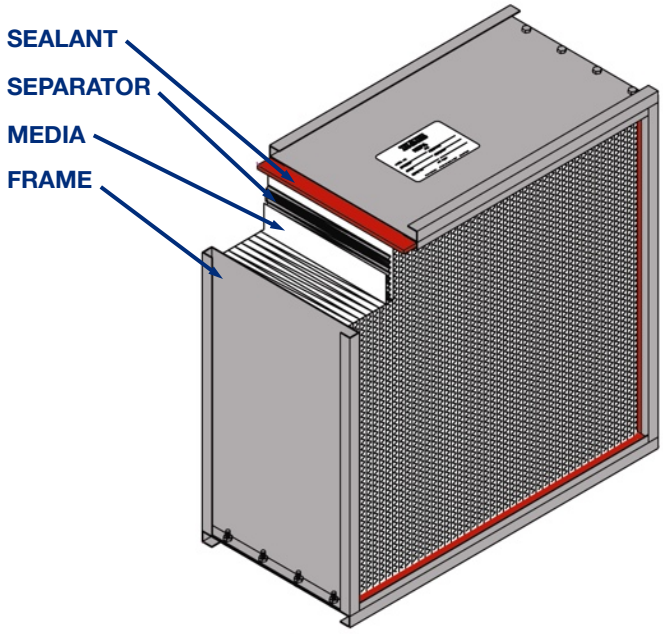
TRI-PURE™ HEPA HT and HEPAMAX™ HT filters are available in a gasket seal model. The standard gasket is a ¼" x ¾ silicone sponge gasket that can handle temperatures up to 500°F (260°C).

The TRI-PURE™ HEPA HT and HEPAMAX™ HT filters utilize a high temperature silicone sealant. This silicone compound sealant is rated up to 500°F (260°C) of continual service.



Close-up of TRI-PURE™ HEPA HT frame media pack and sealant

TRI-PURE™ HEPA HT DRAWING



TRI-PURE™ HEPA HT and HEPAMAX™ HT filters use a stainless steel frame that is bolted together for added strength and rigidity required for demanding environments where high temperature filters are utilized.

TRI-PURE™ HEPA HT and HEPAMAX™ HT is available in standard capacity and a high flow capacity model. The HEPA HT standard capacity model is rated at 250 FPM at 1.0" W.G. of resistance. The high flow model, with 80% more media than our standard model, is rated at 500 FPM at 1.4" W.G. of resistance.

TRI-PURE™ HEPA HT & HEPAMAX™ HT Performance Data

TRI-PURE™ HEPA HT STANDARD CAPACITY

Recommended Airflow = 250 FPM *(1.3 m/sec)*
Resistance @ 250 FPM = 1.0" W.G. *(249 PA)*
Temperature Limit = 500°F *(260°C)*
Frame Construction = Stainless Steel
Sealant = Silicone Compound
Standard Efficiencies = 99.97% and 99.99%

TRI-PURE™ HEPAMAX HT HIGH FLOW CAPACITY

Recommended Airflow = 500 FPM *(2.5 m/sec)*
Resistance @ 500 FPM = 1.4" W.G. *(348 PA)*
Temperature Limit = 500°F *(260°C)*
Frame Construction = Stainless Steel
Sealant = Silicone Compound
Standard Efficiencies = 99.97% and 99.99%

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