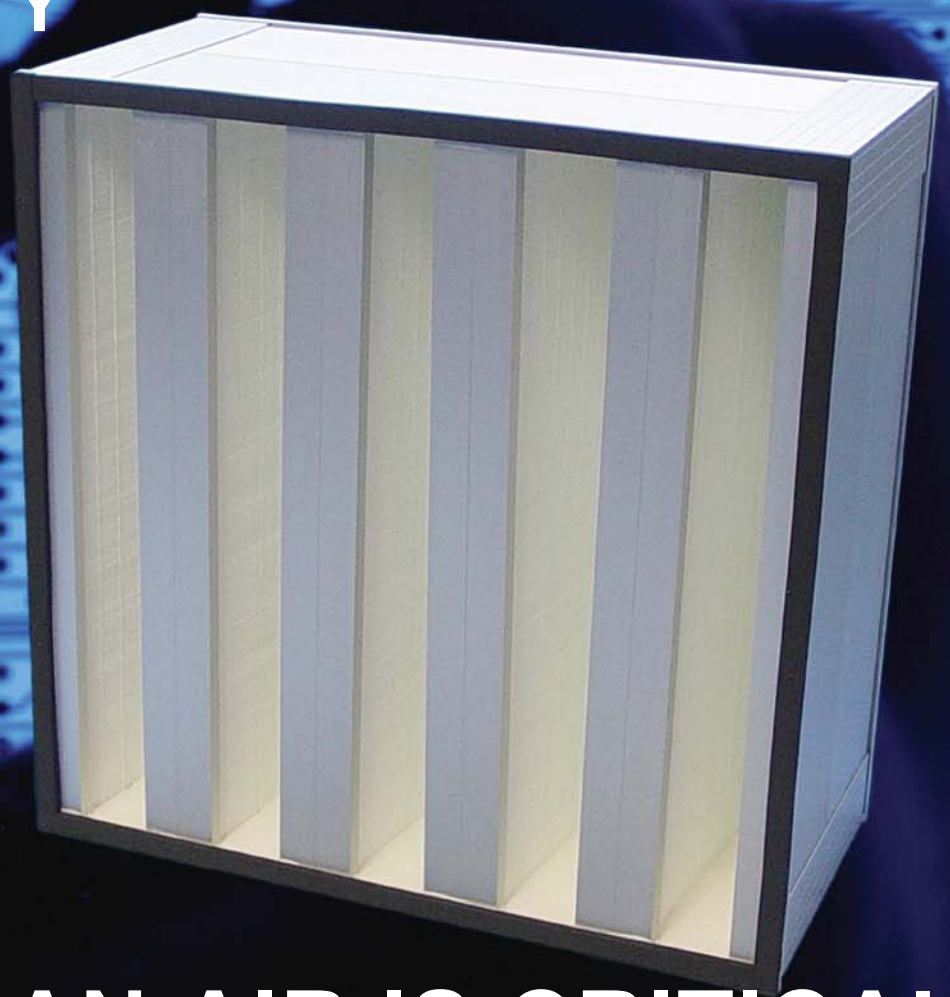
TRI DIM
FILTER CORPORATION

# TRI-PURE™ 2000 HEPA FILTERS

## HIGH CAPACITY V-BANK HEPA FILTERS

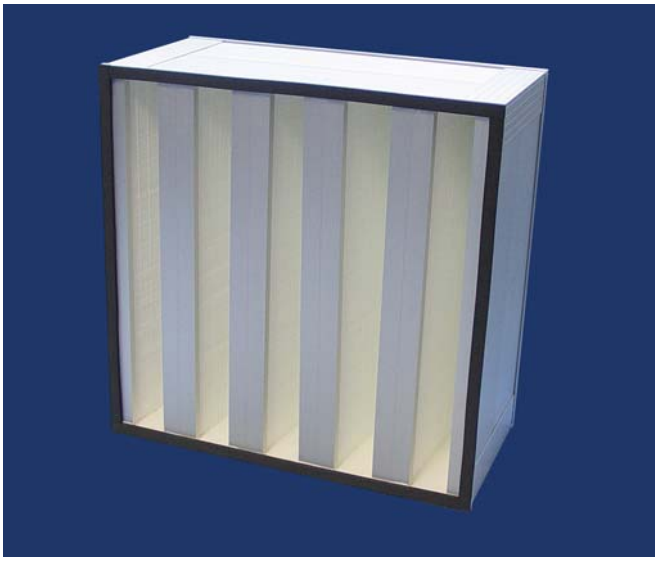


1968 - 2008 40th Anniversary
VALUE INNOVATION SERVICE

## WHEN CLEAN AIR IS CRITICAL

# TRI-PURE™ 2000 HIGH FLOW HEPA

## HIGH CAPACITY V-BANK HEPA FILTERS FOR DEMANDING APPLICATIONS



**FEATURES:**

- ☑ **V-Bank Construction**
- ☑ **High Air Flow Rating - 500 FPM**
- ☑ **Low Pressure Drop**
- ☑ **Mini-Pleat Media Packs**
- ☑ **Microfiber Media**
- ☑ **Extended Service Life**
- ☑ **Reduced Energy Consumption**
- ☑ **Efficiencies available from 99.97% @ 0.3 µm to 99.99% @ 0.3 µm**
- ☑ **Anodized Extruded Aluminum Frame**
- ☑ **Gasket or Gel Seal Available**
- ☑ **Quality-Controlled Manufacturing Facility**

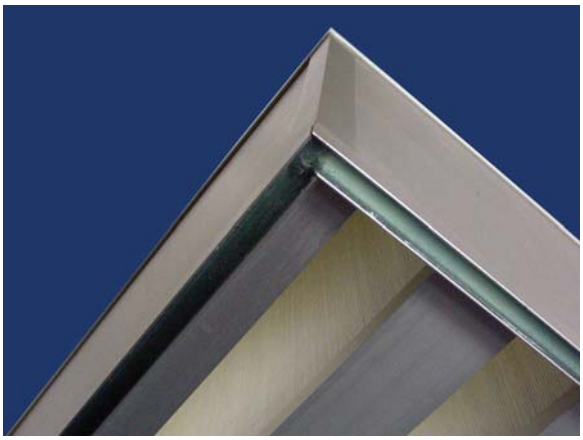
Tri-Dim Filter Corporation's TRI-PURE™ 2000 HIGH FLOW HEPA filters are designed for use in demanding applications where high airflow and high-efficiency filtration is needed. Applications include medical, pharmaceutical, microelectronics as well as other disciplines.

TRI-PURE™ 2000 HIGH FLOW HEPA utilizes V-Bank construction to maximize airflow, minimize resistance thereby extending the service life and reducing energy consumption. The TRI-PURE™ 2000 HIGH FLOW HEPA has approximately 400 square feet *(37 $m^2$)* of media due to its V-Bank configuration.

The TRI-PURE™ 2000 HIGH FLOW HEPA filters features include a high airflow rate. A standard capacity separator style HEPA filter is rated at only 250 FPM *(1.3 m/sec)* where the TRI-PURE™ 2000 HIGH FLOW HEPA is rated at 500 FPM *(2.5 m/sec)* – a 100% difference. This is helpful in applications where there are space limitations.

An additional feature of the TRI-PURE™ 2000 HIGH FLOW HEPA is its low resistance – only 1.0" W.G. *(249 PA)* at 500 FPM *(2.5 m/sec)*. That is a 30% reduction from separator style high capacity HEPA filters. The combination of extended media area and low resistance allows the TRI-PURE™ 2000 HIGH FLOW HEPA to offer 3-4 times longer service life than standard separator style HEPA filters.

In addition to extended service life, the TRI-PURE™ 2000 HIGH FLOW HEPA delivers a huge opportunity for energy savings. Some statistics show that over 80% of the cost associated with filtration is in energy consumption – The TRI-PURE™ 2000 HIGH FLOW HEPA will dramatically reduce the energy consumed due to extremely low pressure drop.



*TRI-PURE™ 2000 Gel Seal*

The media pack is constructed of glass microfiber media mini-pleated into media packs. 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 media to media contact and to eliminate the fiber break-off related with different pleating methods.

*Tri-Dim's TRI-PURE Gel Seal Extractor Clips*

The TRI-PURE™ media pack is manufactured on a computer-controlled pleater for consistent and repeatable media packs.

TRI-PURE™ 2000 HIGH FLOW HEPA filters are constructed of anodized extruded aluminum frames, connected at the corners with the TRI-PURE™ Dual-Corner fastener system that produces an airtight rigid joint. The media pack is encapsulated into the frame on all four sides with a polyurethane sealant. Other features of the anodized aluminum frame include a protective finish that is corrosion resistant and it significantly reduces the weight of the filter when compared to other frame material options.

The TRI-PURE™ 2000 HIGH FLOW HEPA offers both gasket and gel seal models to meet any application requirements.

The gel seal version is available with optional extractor clips for side access housing applications where required.

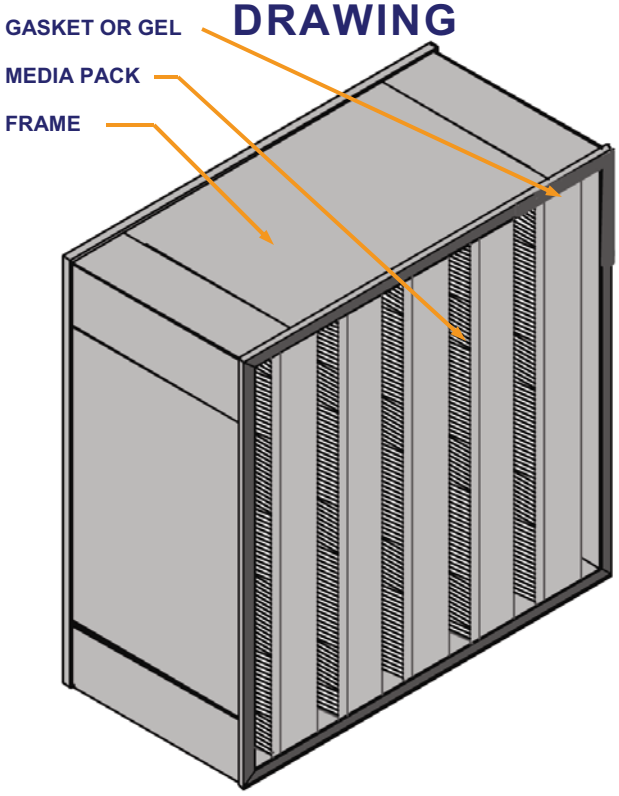
Contact your local sales professional at 1-800-458-9835 for a free, no obligation filter and IAQ assessment.

*Tri-Dim's Cleanroom Production Area*

# TRI-PURE™ 2000 HEPA TYPICAL APPLICATIONS

- HEALTHCARE
- BIOTECH
- PHARMACEUTICAL
- FOOD PROCESSING
- SEMICONDUCTOR
- BIOMEDICAL
- UNIVERSITIES
- LABORATORIES
- INDUSTRIAL APPLICATIONS
- PHOTO PROCESSING
- MUSHROOM GROWERS
- RESEARCH

# TRI-PURE™ 2000 HEPA DRAWING




# TRI-PURE™ 2000 HEPA TECHNICAL DATA

| Exact Size Inches (*mm*) HxWxD | Airflow CFM ($m^3$/h) at 1.0" W.G. (*250 Pa*) | Efficiency @ 0.3 microns |
|---|---|---|
| 23.375 x 11.375 x 11.5 (*594 x 289 x 292*) | 875 CFM (*1488 $m^3$/hr*) | 99.97% |
| 24 x 12 x 11.5 (*610 x 305 x 292*) | 900 CFM (*1530 $m^3$/hr*) | 99.97% |
| 23.375 x 23.375 x 11.5 (*594 x 594x 292*) | 1945 CFM (*3307 $m^3$/hr*) | 99.97% |
| 24 x 24 x 11.5 (*610 x 610 x 292*) | 2000 CFM (*3400 $m^3$/hr*) | 99.97% |
| 23.375 x 11.375 x 11.5 (*594 x 289 x 292*) | 840 CFM (*1428 $m^3$/hr*) | 99.99% |
| 24 x 12 x 11.5 (*610 x 305 x 292*) | 865 CFM (*1471 $m^3$/hr*) | 99.99% |
| 23.375 x 23.375 x 11.5 (*594 x 594x 292*) | 1865 CFM (*3171 $m^3$/hr*) | 99.99% |
| 24 x 24 x 11.5 (*610 x 610 x 292*) | 1910 CFM (*3247 $m^3$/hr*) | 99.99% |



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**Local Representation:**

**Brochure # 1800-4**
Revision: 0208