



Tri-Pure™ Panel
Filters
Low-Profile HEPA
& ULPA Filters

Tri-Pure™ Panel Filters

Space-Saving, High Efficiency Filtration

FEATURES

- Low profile
- Available in gasket seal models with 2.75", 3", 3.5", 4.75" and 5.875" frames
- Available in gel seal with 3", 3.72" and 4.85" frames
- Metal faceguard
- 45 mm to 100 mm media pack
- Anodized, extruded-aluminum frame
- Quality-controlled manufacturing facility



LOW PROFILE HEPA/ULPA PANEL FILTERS FOR CLEANROOM APPLICATIONS

Tri-Dim Filter Corporation's Tri-Pure™ HEPA/ULPA Panel filters are designed for use in cleanroom applications where a compact footprint and high-efficiency filtration is needed. Applications include medical, pharmaceutical, microelectronics as well as other cleanroom disciplines.

The Tri-Pure™ HEPA/ULPA Panel filter features include a low profile, from only 2.75" (70 mm) cell sides to allow for maximum space utilization in space sensitive applications.

All Tri-Pure™ HEPA/ULPA Panel Filters are available in efficiencies from 99.99% @ 0.3 micron-sized particles to 99.9995% on 0.1 to 0.2 micron-sized particles, which is typically the MPPS (Most Penetrating Particle Size) for this filter in most applications.

Tri-Pure™ HEPA/ULPA Panel Filters are available with either a gasket seal or gel seal as needed per application.

GASKET-SEAL FILTERS

Frame and media pack combinations

Frame	Media Pack
2.75" (70 mm)	1.8" (45 mm)
3" (76 mm)	2" (53 mm)
3.5" (89 mm)	3" (70 mm)
4.75" (120 mm)	2" (53 mm), 3" (70 mm) or 4" (100 mm)
5.875" (149 mm)	2" (53 mm), 3" (70 mm) or 4" (100 mm)

GEL-SEAL FILTERS

Frame and media pack combinations

Frame	Media Pack
3" (76 mm)	2" (53 mm)
3.72" (94 mm)	3" (70 mm)
4.85" (123 mm)	3" (70 mm) or 4" (100 mm)

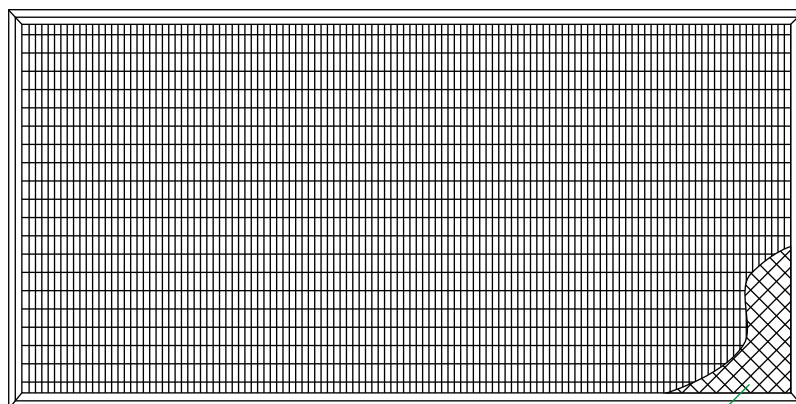
Rigid and robust For Reliability You Can Count Upon

CONSTRUCTION

Tri-Dim supplies a painted, expanded-metal grille on the downstream side of the media pack for protection. The media pack is constructed of glass microfiber media that's mini-pleated into media packs from 45 mm (1.8") thick to 100 mm (4") thick. The pleats are separated and secured by an adhesive bead separator. The Tri-Pure™ separator system is precisely applied to promote uniform air flow and to eliminate media-to-media contact and the fiber break-off related to different pleating methods. The Tri-Pure™ media pack is manufactured on a computer-controlled pleater for consistent and repeatable media packs.

Tri-Pure™ Panel HEPA/ULPA filters are constructed of anodized, extruded-aluminum frames that are connected at the corners with the Tri-Pure™ Dual-Corner fastener system that produces an airtight and rigid joint. The media pack is encapsulated into the frame on all four sides with a polyurethane sealant.

Tri-Dim is proud of our quality-controlled Tri-Pure™ production facility that houses our state-of-the-art manufacturing equipment.

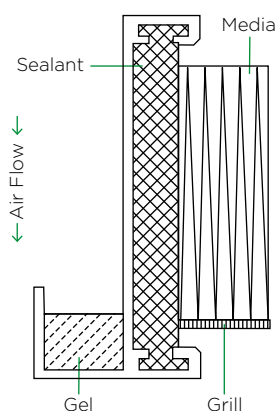


Grill

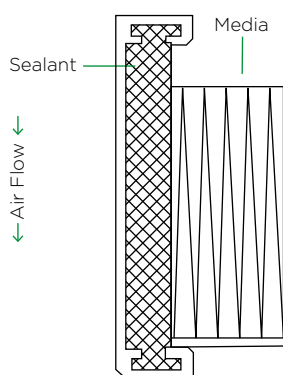
Tri-Pure™ Panel Filters Specifications

SEAL OPTIONS - CROSS SECTIONS

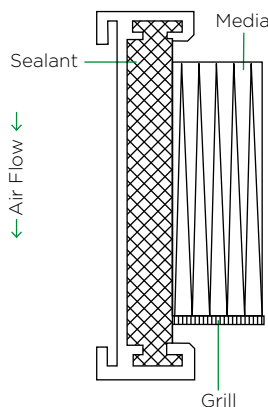
Gel Seal
3.0", 3.72" and 4.85" depth



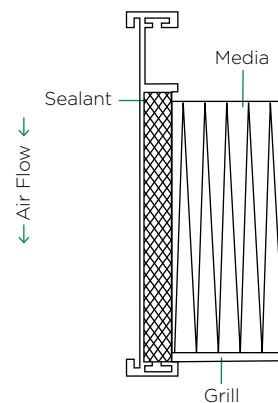
Gasket Seal
3.0", 3.5" and 4.75" depth



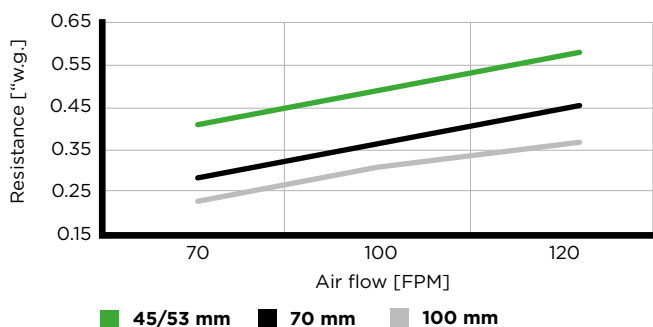
Gasket Seal
2.75" depth



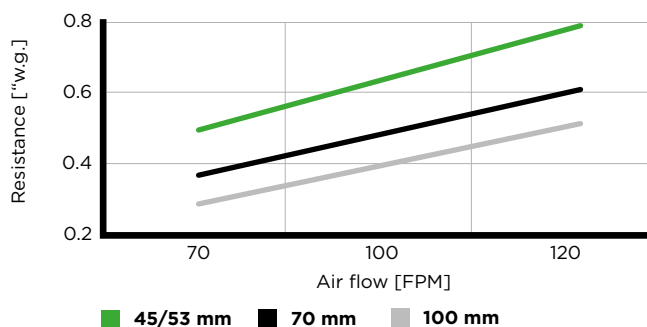
Gasket Seal
5.875" depth



HEPA RESISTANCE VS. AIR FLOW



ULPA RESISTANCE VS. AIR FLOW



LOCAL REPRESENTATIVE

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 $\pm 5\%$ variance in filter performance.