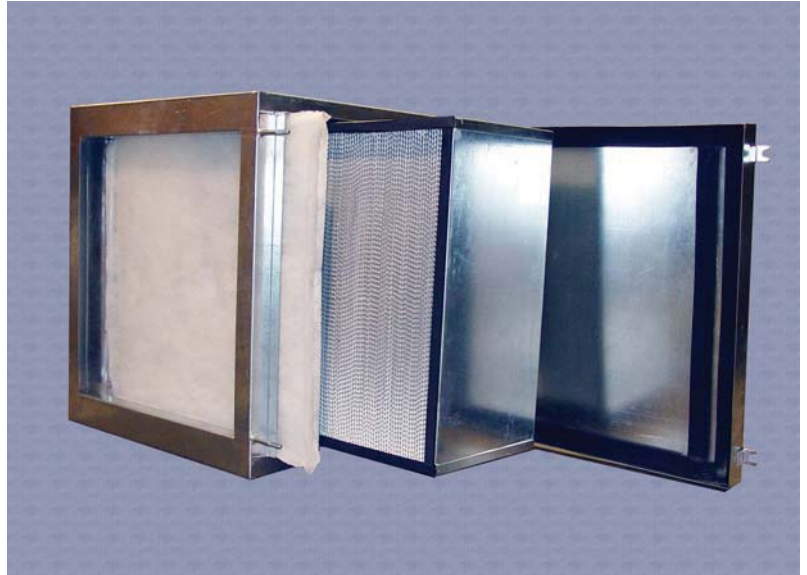


SIDE ACCESS HOUSINGS FOR HEPA FILTERS



SIDE ACCESS HOUSINGS FOR HEPA FILTERS AND OPTIONAL PREFILTERS



FEATURES:

- ☑ **Available in Either Gasket Seal or Gel Seal**
- ☑ **Factory Assembled**
- ☑ **Available in Galvanized and Stainless Steel**
- ☑ **Heavy Duty Construction**
- ☑ **True Filter Locking Mechanism**
- ☑ **Optional Prefilter Section**
- ☑ **Positive Pressure Door-to-Housing Seal**
- ☑ **Unique Door Hinge**
- ☑ **Factory Installed Flange**
- ☑ **Large List of Options**

The TRI-LOCK GS/FS™ HEPA Side Access air filter housing is available to house either gasket or fluid seal HEPA filters. The TRI-LOCK GS/FS™ housings feature a heavy-duty design that is essential for the demanding and critical clean air applications that require HEPA filtration.

The TRI-LOCK GS/FS™ is a factory-assembled unit of one-piece construction. Each TRI-LOCK GS/FS™ housing is manufactured to meet end-user requirements.

The TRI-LOCK GS/FS™ housing has a standard construction of galvanized steel and is also available with optional stainless steel. Straight seams are intermittently welded and silicone caulked to prevent air leakage. An optional prefilter section is available to accommodate 2", 4" or 6" deep prefilters.

Tri-Dim's TRI-LOCK housing offers a true HEPA locking mechanism that will properly seal the HEPA filter in the housing thus reducing the potential for air bypass in your critical environments.

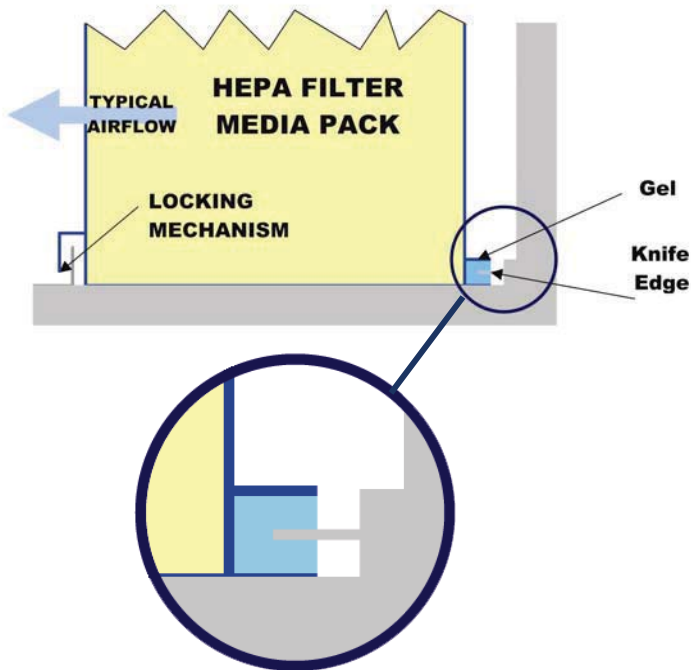
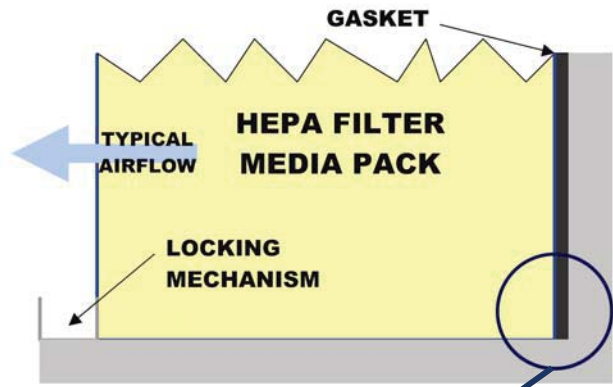
The TRI-LOCK GS/FS™ housing offers hand torqued door latches to provide a positive pressure door-to-housing seal as well as ease of filter servicing. A unique door hinge allows the door to either remain on its hinges or be completely removed for easier filter change out.

The TRI-LOCK GS/FS™ housing comes with a factory-installed flange that is suitable for connection to either ductwork or to the air handler system.

The TRI-LOCK GS/FS™ housing comes with a large number of options so housings can be customized to meet application specific requirements.

TRI-LOCK GS™ GASKET SEAL HEPA HOUSING

The TRI-LOCK GS™ HEPA Housing has a filter to housing gasket seal that is achieved by means of a continuous flat mounting surface on the interior of the housing, which mates to a perimeter gasket on the filter. To create this seal activate the top and bottom hand operated crank locking mechanisms to secure the filter(s) against the housing's perimeter mounting surface, compressing the gasket.



TRI-LOCK FS™ FLUID SEAL HEPA HOUSING

The TRI-LOCK FS™ HEPA Housing has a filter to housing gel seal that is achieved by means of a continuous perimeter knife-edge on the interior of the housing, which mates into the gel filled perimeter channel on the face of the filter to create the seal. The hand operated locking mechanism guides and secures the filter into the knife-edge penetrating the gel and forming a positive seal on the filter face.

TRI-PURE™ HEPA & HEPAMAX™

Tri-Dim offers a full line of separator style HEPA filters to meet your application demands. Tri-Dim offers both standard capacity HEPA filters, which are rated at 250 FPM, and high capacity HEPAMAX™ filters rated at 500 FPM. Tri-Dim offers both versions in gasket or gel seal, particleboard or metal frame construction, and high temperature models to correspond your requirements. Varying levels of efficiency and testing methods are available starting at 99.97% @ 0.3 microns. Please contact your local sales representative or local office for more information on Tri-Dim's TRI-PURE™ HEPA and HEPAMAX™ filters.

APPLICATIONS

TRI-LOCK™ HEPA Side Access housing is designed for and not limited to the following applications:

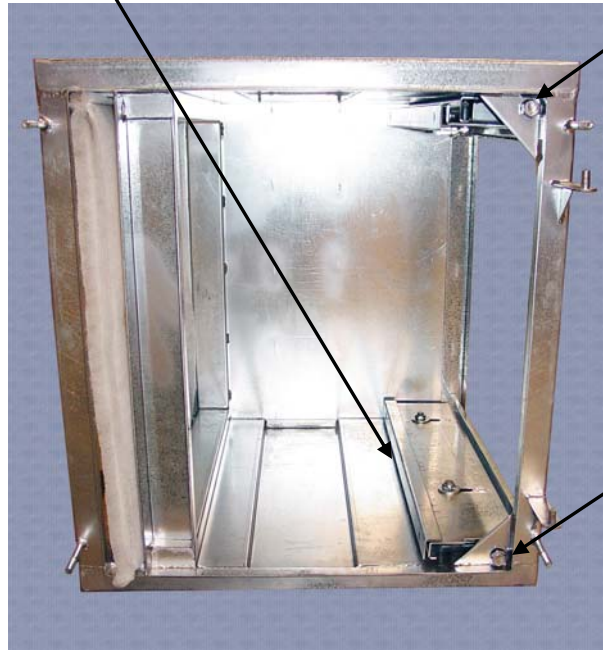
- HVAC Systems
- Air Handlers
- Industrial Plants
- Food Industry
- Pharmaceutical
- Microelectronics
- Hospital
- Bio Medical

TRI-LOCK GS/FS™ Options

- ▲ Vertical Flow Application
- ▲ Double Wall Insulation
- ▲ High Temperature Gasket
- ▲ DOP Port
- ▲ Photohelic Gauge
- ▲ Lifting Lugs
- ▲ Transitions
- ▲ Custom and Drilled Flanges
- ▲ Weather Cover
- ▲ Static Port(s)
- ▲ Magnehelic Gauge
- ▲ Bottom Access
- ▲ Seam Welding
- ▲ Special Sizes

Locking Mechanism on Tri-Lock GS™

Tightening device for Locking Mechanism on Tri-Lock GS™



TRI-LOCK FS/GS™ Specifications and Drawing

NOTES

LEGEND		Unit Width		
Capacity				
Dimensions (HxW)				
Number of Filters				
Face Area (Sq. Ft.)				
		1	2	3
Unit Height	1	2,000 CFM 27-1/4" x 24-1/4" 1-24x24 Filter 4 Sq Ft	4,000 CFM 27-1/4" x 48-1/4" 2-24x24 Filter 8 Sq Ft	6,000 CFM 27-1/4" x 72-1/4" 3-24x24 Filter 12 Sq Ft
	2	4,000 CFM 54-1/2" x 24-1/4" 2-24x24 Filter 8 Sq Ft	8,000 CFM 54-1/2" x 48-1/4" 4-24x24 Filter 16 Sq Ft	12,000 CFM 54-1/2" x 72-1/4" 6-24x24 Filter 24 Sq Ft
	3	6,000 CFM 81-3/4" x 24-1/4" 3-24x24 Filter 12 Sq Ft	12,000 CFM 81-3/4" x 48-1/4" 6-24x24 Filter 24 Sq Ft	18,000 CFM 81-3/4" x 72-1/4" 9-24x24 Filter 36 Sq Ft

Capacity is reported in CFM at a flow rate of 500 FPM

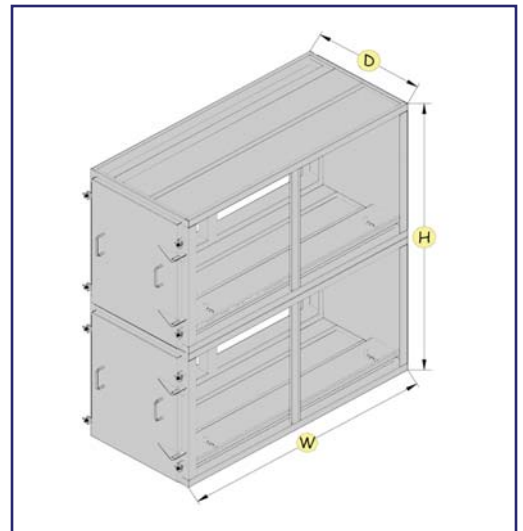
Dimensions are reported in exact size in inches and Height x Width

Number of Filters are reported in quantity and exact dimensions

Face Area is reported as face area of air filters – exact size in square feet

Standard Housing Depths relative to depth of prefilters
 No Prefilter = 21-1/2"
 2" Thick Prefilter = 25"
 4" Thick Prefilter = 27"
 Custom depths available

Special and Half Size Units are available



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

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