



**TRI-LOCK FS - FLUID SEAL**  
**TRI-LOCK GS - GASKET SEAL**  
**SIDE ACCESS HEPA HOUSING**

# SIDE ACCESS HOUSING FOR HEPA FILTERS



*picture shown with available options*



## SIDE ACCESS HOUSINGS FOR HEPA FILTERS AND OPTIONAL PREFILTERS

### FEATURES:

- ☑ Available in Either Gasket Seal (GS) or Gel Seal (FS)
- ☑ 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 and TRI-LOCK™ FS HEPA Side Access air filter housings are available to house either gasket or gel seal HEPA filters. The TRI-LOCK™ GS Gasket Seal and TRI-LOCK™ FS Gel Seal 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 and TRI-LOCK™ FS are a factory-assembled unit of one-piece construction. Each TRI-LOCK GS/FS™ housings are manufactured to meet end-user requirements.

The TRI-LOCK™ GS Gasket Seal and TRI-LOCK™ FS Gel Seal housings have a standard construction of galvanized steel but are also available in optional stainless steel. Straight seams are intermittently welded and silicone caulked to prevent air leakage. An optional prefilter section is available to accommodate 2" or 4" deep prefilters.

Tri-Dim's TRI-LOCK housings offer 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 Gasket Seal and TRI-LOCK™ FS Gel Seal housings feature 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.

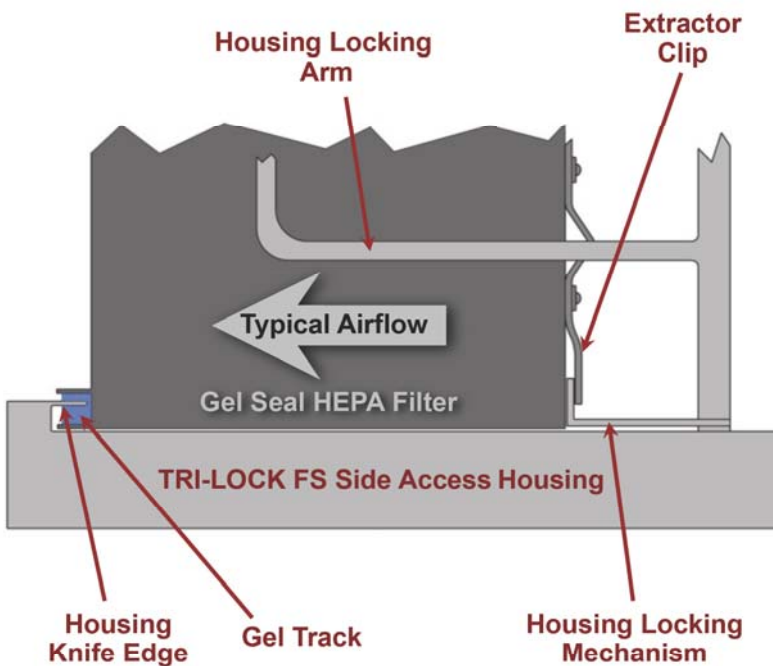
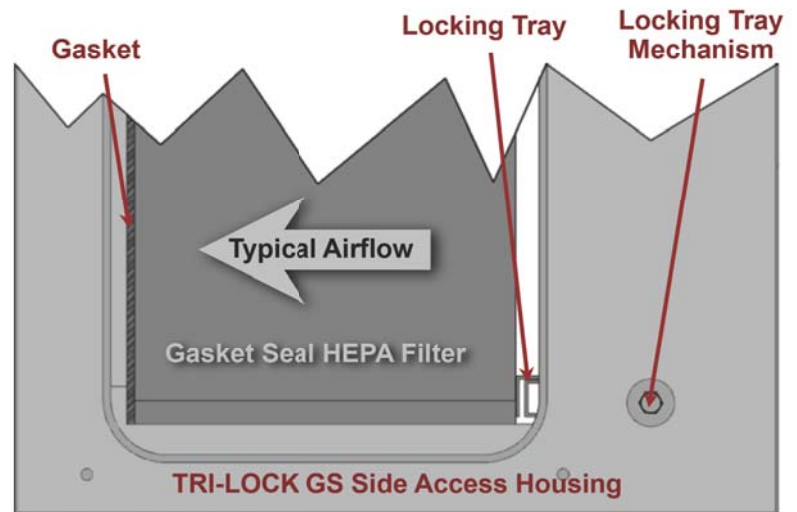
The TRI-LOCK™ GS Gasket Seal and TRI-LOCK™ FS Gel Seal housings come with a factory-installed flange that is suitable for connection to either ductwork or to the air handler system.

The TRI-LOCK™ GS Gasket Seal and TRI-LOCK™ FS Gel Seal housings come with a large number of options so housings can be customized to meet an applications 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.

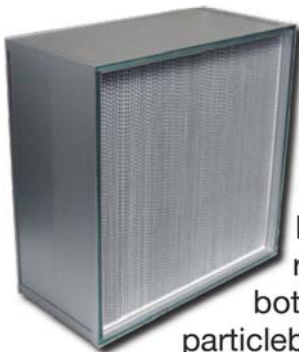


# TRI-LOCK FS™

## GEL 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. The locking mechanism is designed such that if the filter and the knife edge do not line up correctly the door will not shut.

# 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 with 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.

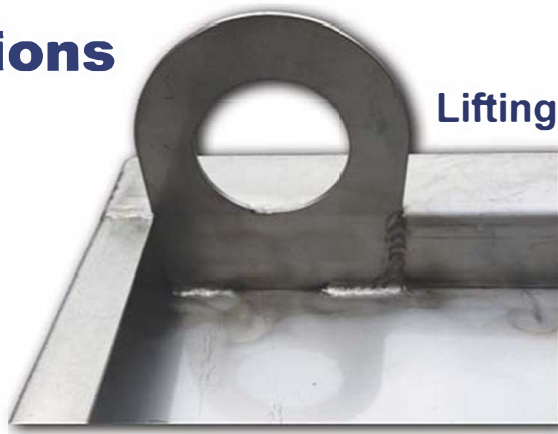
## APPLICATIONS

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



Lifting Lugs

Magnehelic Gauges



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 27" 1-24x24 Filter 4 Sq Ft	4,000 CFM 27-1/4" x 51" 2-24x24 Filter 8 Sq Ft	6,000 CFM 27-1/4" x 75" 3-24x24 Filter 12 Sq Ft
	2	4,000 CFM 54-1/2" x 27" 2-24x24 Filter 8 Sq Ft	8,000 CFM 54-1/2" x 51" 4-24x24 Filter 16 Sq Ft	12,000 CFM 54-1/2" x 75" 6-24x24 Filter 24 Sq Ft
	3	6,000 CFM 81 3/4" x 27" 3-24x24 Filter 12 Sq Ft	12,000 CFM 81 3/4" x 51" 6-24x24 Filter 24 Sq Ft	18,000 CFM 81 3/4" x 75" 9-24x24 Filter 36 Sq Ft

## NOTES

**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 = 27"

4" Thick Prefilter = 27"

Custom depths available

**Special and Half Size Units** are also available

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 ±5% variance in filter performance. Tri-Dim® and Tri-Dek® are Registered Trademarks of Tri-Dim Filter Corporation.



**TRI-DIM FILTER CORPORATION**  
P.O. BOX 466 • 93 INDUSTRIAL DRIVE  
LOUISA, VA 23093  
(540) 967-2600 • FAX: (540) 967-2835



## Local Representation:



204 N. Link Lane #7  
Fort Collins, CO 80524  
Office: 970-204-4758 Fax: 970-204-4764  
Brandon@IndustrialFilterSource.com  
IndustrialFilterSource.com

Brochure #2500-8  
Revision: 10/2013

