

SWING BOLT HOUSING





SWING BOLT SIDE ACCESS GASKET SEAL HOUSINGS FOR HEPA FILTERS

FEATURES:

- Available in Gasket Seal HEPA filters
- Factory Assembled
- Available in Galvanized and Stainless Steel
- Durable Construction
- Swing Bolt Locking Mechanism
- 2" or 4" Prefilter Section
- Positive Pressure Door-to-Housing Seal
- Factory Installed Flange
- Large List of Options
- Customized Housings Available

The TRI-LOCK SB™ HEPA Side Access Swing Bolt air filter housing is available to house gasket seal HEPA filters. The TRI-LOCK SB™ housing features a durable design that is essential for the demanding and critical clean air applications that require HEPA filtration.

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

The TRI-LOCK SB™ 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.

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

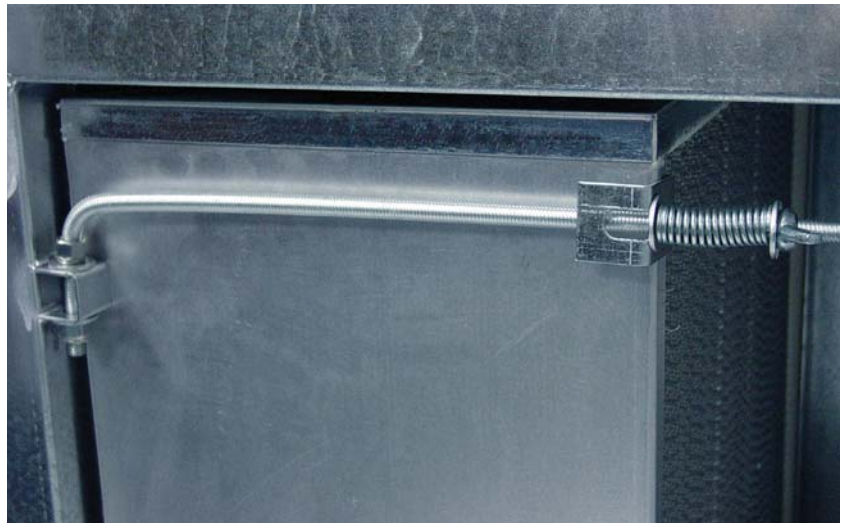
The TRI-LOCK SB™ housing features an easy to use wing nut door fastener to provide a positive pressure door-to-housing seal as well as ease of servicing the filter.

The TRI-LOCK SB™ housing comes with a factory-installed "out turned" flange. This "out-turned" flange is suitable for easy connection to either ductwork or to the air handler system.

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

SWING BOLT GASKET SEAL LOCKING MECHANISM

The TRI-LOCK SB™ HEPA Housing utilizes a swing bolt locking mechanism to create the filter to housing gasket seal. This seal is achieved by a continuous flat mounting surface on the interior of the housing, which mates to a perimeter gasket on the filter. To create this seal: position the swing arm beside the filter, position clip and tighten the spring loaded clip to secure the filter(s) against the housing's perimeter mounting surface, compressing the gasket.



PREFILTER SECTION

TRI-LOCK SB™ HEPA Housing offers an integral prefilter section and is available in the standard depths of 2" or 4". This allows the design engineer and end-user a wide range of prefiltration options.



MULTIPLE DOORS

TRI-LOCK SB™ HEPA Housings are offered with doors on both ends of the housing as a standard feature. This allows for a simplified filter change-out procedure.

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

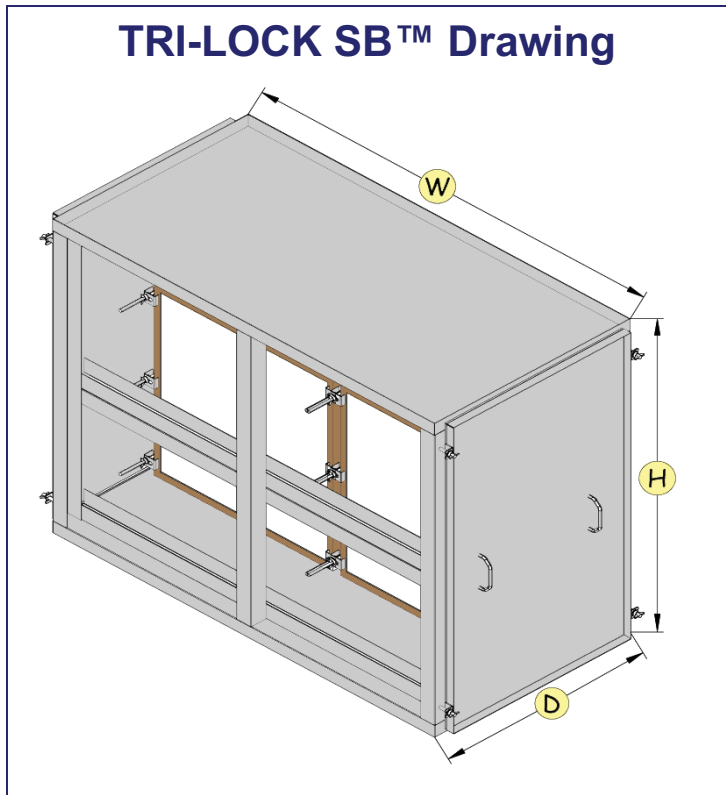
TRI-LOCK™ HEPA Side Access housing is designed for and not limited to the following applications:

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

TRI-LOCK SB™ 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

TRI-LOCK SB™ Drawing



TRI-LOCK SB™ Specification

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 26-1/4" 1-24x24 Filter 4 Sq Ft	4,000 CFM 27-1/4" x 51-1/2" 2-24x24 Filter 8 Sq Ft	6,000 CFM 27-1/4" x 76-3/4" 3-24x24 Filter 12 Sq Ft
	2	4,000 CFM 51-1/4" x 26-1/4" 2-24x24 Filter 8 Sq Ft	8,000 CFM 51-1/4" x 51-1/2" 4-24x24 Filter 16 Sq Ft	12,000 CFM 51-1/4" x 76-3/4" 6-24x24 Filter 24 Sq Ft
	3	6,000 CFM 75-1/4" x 26-1/4" 3-24x24 Filter 12 Sq Ft	12,000 CFM 75-1/4" x 51-1/2" 6-24x24 Filter 24 Sq Ft	18,000 CFM 75-1/4" x 76-3/4" 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

2" Thick Prefilter = 26 1/4"

4" Thick Prefilter = 26 1/4"

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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