



Tri-Lock SB™
Side-Access HEPA
Housing

The image shows a rectangular, metallic HEPA filter housing with a side-access door. The door is open, revealing a large, pleated HEPA filter inside. The housing has a dark grey or black finish. The side panel of the door is white and features the TRIDIM logo and contact information. The filter is mounted on a metal frame with a grid pattern. The housing is shown from a three-quarter perspective, highlighting its depth and the side access mechanism.

TRIDIM
FILTER CORPORATION
www.tridim.com
Louisiana, USA

AIR FLOW

TO REORDER CALL
1-800-459-9835

All Filter Units to be installed in
accordance with the manufacturer's
instructions. See the "Installation
Instructions" for details.

Tri-Lock SB™

Swing-Bolt Housing

FEATURES

- Suitable for gasket-seal HEPA filters
- Factory assembled
- Available in galvanized or 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

APPLICATIONS

Tri-Lock SB™ is designed for use in a range of applications, including:

- Hospital
- Bio medical
- Pharmaceutical
- Microelectronics
- HVAC systems
- Food industry
- Air handlers
- Industrial plants

SWING BOLT, SIDE ACCESS, GASKET SEAL HOUSINGS FOR HEPA FILTERS

Tri-Lock SB™ is a side access, swing-bolt air filter housing that securely houses gasket-seal HEPA filters. The housing features a durable design that is essential for the demanding and critical clean air applications that require HEPA filtration.

CONSTRUCTION

A one piece, factory-assembled unit, each Tri-Lock SB™ housing is manufactured to precisely meet end-user requirements.

The housing is constructed from galvanized steel as standard, with stainless steel available as an option. Straight seams are intermittently welded and silicone caulked to prevent air leakage.

SWING-BOLT LOCKING MECHANISM

Tri-Lock SB™ utilizes a swing-bolt locking mechanism to ensure a perfect seal between the filter and housing gasket, and reduce the potential for air bypass in your critical environments.

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. Creating this seal is simply a process of positioning the swing arm beside the filter, and then positioning and tightening the spring-loaded clip to secure the filter(s) against the housing's perimeter mounting surface.



OTHER FEATURES

Tri-Lock SB™ features an easy-to-use wingnut door fastener to provide a positive pressure door-to-housing seal. This also simplifies the process of servicing the filter.

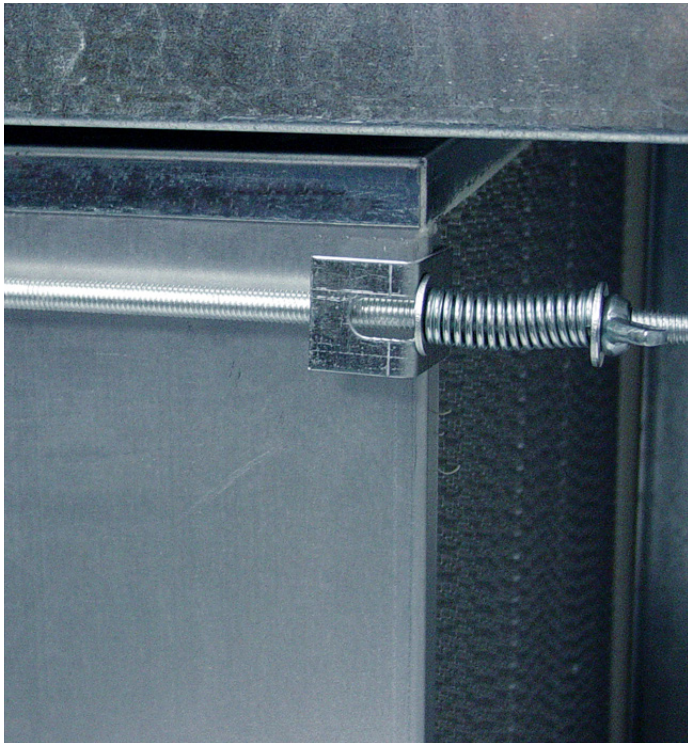
Also making filter change-out easy are the doors fitted to both ends of the housing as standard.

The housing comes with a factory-installed out-turned flange, which is suitable for easy connection to either ductwork or the air handler system.

Tri-Lock SB™ also comes with a large number of options, so housings can be customized to meet application specific requirements.

Tri-Lock SB™

Options and Filters



The Tri-Lock SB swing-bolt locking mechanism.



A prefilter installed in the Tri-Lock SB housing.

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

PREFILTER SECTION

Tri-Lock SB™ offers an integral prefilter section and is available in standard depths of 2" or 4". This provides the design engineer and end-user with a wide range of prefiltration options.

TRI-PURE™ HEPA & HEPAMAX™

Tri-Dim offers a full line of HEPA filters to meet your application demands. These include 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 variants, particleboard or metal-frame construction, and high temperature models to correspond with your requirements.

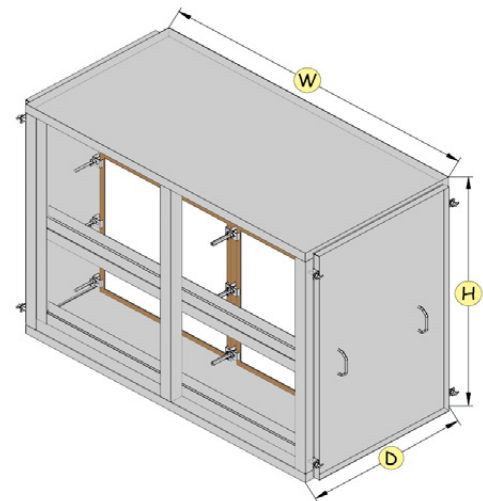
Varying levels of efficiency and testing methods are available starting at 99.97% @ 0.3 microns. Please contact your local sales representative or local office for more information on Tri-Dim's Tri-Pure™ HEPA and HEPAMAX™ filters.

Tri-Lock SB™

Technical Data

SPECIFICATIONS

		UNIT WIDTH			
		1	2	3	
UNIT HEIGHT	1	Capacity	2,000 CFM	4,000 CFM	6,000 CFM
		Dimensions	27¼ x 26¼"	27¼ x 51½"	27¼ x 76¾"
		No. Filters	1	2	3
		Face Area	4 sq. ft.	8 sq. ft.	12 sq. ft.
	2	Capacity	4,000 CFM	8,000 CFM	12,000 CFM
		Dimensions	51¼ x 26¼"	51¼ x 51½"	51¼ x 76¾"
		No. Filters	2	4	6
		Face Area	8 sq. ft.	16 sq. ft.	24 sq. ft.
	3	Capacity	6,000 CFM	12,000 CFM	18,000 CFM
		Dimensions	75¼ x 26¼"	75¼ x 51½"	75¼ x 76¾"
		No. Filters	3	6	9
		Face Area	12 sq. ft.	24 sq. ft.	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 of 24 x 24"

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

Standard housing depths relative to filter depth: 2" or 4"-thick prefilter = 26¼"

Custom depths, and 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.

LOCAL REPRESENTATIVE