

Microlock HEPA Side Access Crank Lock Housings



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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

APPLICATIONS

Microlock HEPA SA Crank Lock Housings are designed for a range of applications, including:

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

CRANK LOCK HOUSINGS FOR HEPA FILTERS & OPTIONAL PREFILTERS

Microlock HEPA SA Crank Lock Housings are available to house either gasket or gel seal HEPA filters. Both options feature a heavy duty design that is essential for the demanding and critical applications that require HEPA filtration.

Microlock HEPA SA Crank Lock Housings are factory assembled units of one piece construction. Each housing is manufactured to meet the end user requirements.

Microlock HEPA SA Crank Lock Housings have a standard construction of galvanized steel, but are also available in 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.

Microlock HEPA SA Crank Lock Housings offer a true HEPA locking mechanism that will properly seal the filter in the housing, reducing the potential for air bypass in your critical environments.

Microlock HEPA SA Crank Lock Housings feature hand torqued door latches to provide a positive pressure door to housing seal and to ease filter servicing. A unique door hinge allows the door to either remain on its hinges or be completely removed for easier filter change out. Microlock HEPA SA Crank Lock Housings come with a



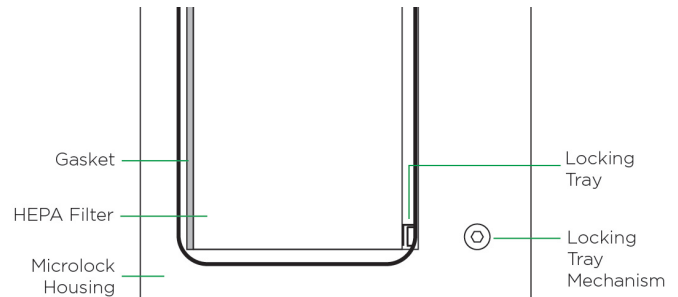
factory installed flange that is suitable for connection to either ductwork or the air handler system.

Microlock HEPA SA Crank Lock Housing models are offered with a large number of options, so housings can be customized to meet any application specific requirements.

Microlock HEPA Side Access Crank Lock Housings Options

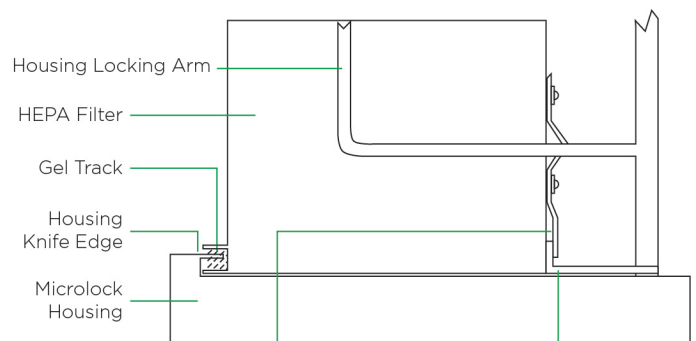
MICROLOCK HEPA SA CRANK LOCK - GASKET SEAL HEPA HOUSING

The Microlock HEPA SA Crank Lock Housing achieves a filter to housing gasket seal through a continuous flat mounting surface on the interior of the housing, which mates to a perimeter gasket on the filter. Top and bottom hand operated crank locking mechanisms secure the filters against the housing's perimeter mounting surface, compressing the gasket.



MICROLOCK HEPA SA CRANK LOCK - GEL SEAL HEPA HOUSING

The Microlock HEPA SA Crank Lock Housing has 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 a seal between the two elements. 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 so that if the filter and the knife edge do not line up correctly the door will not shut.

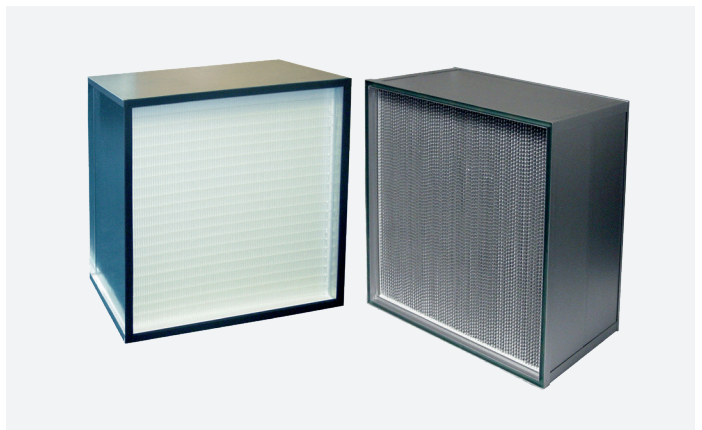


MICROBARRIER HEPA & HEPAMAX™

MANN+HUMMEL offers a full line of separator style 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.

MANN+HUMMEL 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 for more information on MANN+HUMMEL Microlock HEPA SA Crank Lock Housings and Microbarrier HEPA and HEPAMAX™ filters.



Microlock HEPA Side Access Crank Lock Housings Technical Data

SPECIFICATIONS

			UNIT WIDTH		
			1	2	3
UNIT HEIGHT	1	Capacity	2,000 CFM	4,000 CFM	6,000 CFM
		Dimensions	27¼ x 27"	27¼ x 51"	27¼ x 75"
		# of 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	54½ x 27"	54½ x 51"	54½ x 75"
		# of 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	81¾ x 27"	81¾ x 51"	81¾ x 75"
		# of 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

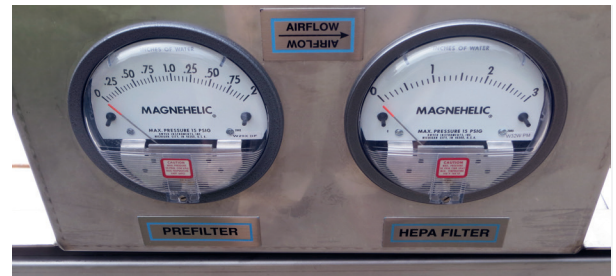
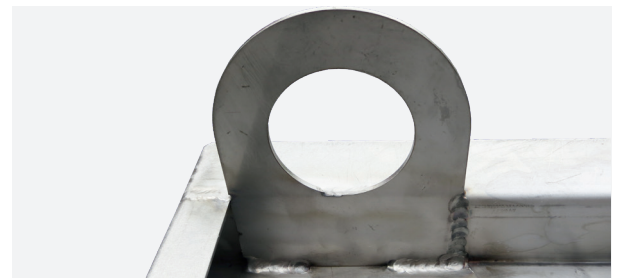
Number of filters are reported in quantity and nominal dimensions of 24 in. x 24 in.

Face area is reported as face area of air filters, nominal size in square feet

Standard housing depths relative to filter depth: no prefilter = 21-½ in. and 2 in. thick prefilter = 27 in. and 4 in. thick prefilter = 27 in.

Special and half size units are also available

MICROLOCK HEPA SA CRANK LOCK HOUSINGS OPTIONS



- Vertical flow application
- Double wall insulation
- High temperature gasket
- DOP port
- Photohelic gauge
- Lifting lugs
- Custom drilled flanges
- Transitions
- Weather cover
- Static port(s)
- Magnehelic gauge
- Bottom access
- Seam welding
- Special sizes

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