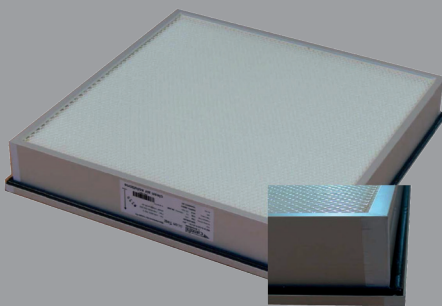




A room side replaceable ducted terminal filter housing offering high performance and ease of maintenance.



Camfil recommends Megalam® EnerGuard™ replacement filter elements (supplied separately). Filters have gel seal channel for leak free sealing integrity. A chamfered flange along the room side creates an architecturally pleasing flush appearance from the room side of the module.

The Camfil Slimline Room Side Replaceable (RSR) offers leak free performance in a compact module. The Slimline RSR is designed for installation in critical air quality applications including semiconductor manufacturing, pharmaceuticals, biotechnology, food processing, medical facilities, and laboratory or R&D facilities.

The Slimline RSR may be combined with Camfil's unique Megalam EnerGuard panel filter that is designed with a distinctive structure of multifunctional polymeric fibers providing micron, sub-micron, and nanoparticle filtration to provide:

- lower energy costs
- a robust HEPA panel filter resistant to damage
- depth loading capacity for a longer service life

It is pleated using Camfil's Controlled Media Spacing technology, ensuring optimized filter element depth and pleat spacing resulting in minimized configuration losses and maintained low resistance to airflow.

The Slimline RSR offers:

- Room side access for servicing and testing of filters, only the filter is replaced not the entire assembly. Replacement is fast and clean minimizing process down time.
- Gel seal technology eliminating air bypass between the filter and the housing.
- A lightweight, low profile design, that allows installation in a limited space. The frame is constructed of extruded aluminum profiles joined at the corners with Camfil's unique Klip-Lock mechanism to promote unit strength and integrity.
- An offset housing knife-edge that interfaces with the filter gel channel for a reliable leak free seal.
- A chamfered receptacle along the room side opening that forms a flush, continuous mating surface that is free of gaps and architecturally pleasing.
- An adjustable room side diffusion disc to promote uniform airflow across the entire filter and allow for air balancing.
- Stainless steel mounting hardware for life long integrity.
- 10" or 12" ducted collar connections. The collars have an integral raised ridge to aid in securing flexible duct connection. Seismic tabs are standard.
- Efficiency selections of 99.99%, 99.995%, 99.9995%, or 99.99995% in a variety of media types including Megalam EnerGuard, micro fine glass fibers and ePTFE, based upon facility requirements. Micron glass media filters include a protective face screen and a damper adjustment access port.

Dimensions

Model	Dimensions (inches) W x L x H	Shipping Weight (lbs.)	Collar Diameter (inches)	Model	Dimensions (inches) W x L x H	Shipping Weight (lbs.)
1-1/2" T-Bar			10	2" T-Bar		
SL RSR 23.62-23.62-10	23.62 X 23.62 X 5.37	13		SL RSR 23.12-23.12-10	23.12 X 23.12 X 5.37	13
SL RSR 23.62-23.62-12	23.62 X 23.62 X 5.37	13	12	SL RSR 23.12-23.12-12	23.12 X 23.12 X 5.37	13
SL RSR 23.62-35.62-10	23.62 X 35.62 X 5.37	18	10	SL RSR 23.12-35.12-10	23.12 X 35.12 X 5.37	18
SL RSR 23.62-35.62-12	23.62 X 35.62 X 5.37	18	12	SL RSR 23.12-35.12-12	23.12 X 35.12 X 5.37	18
SL RSR 23.62-41.62-10	23.62 X 41.62 X 5.37	19	10	SL RSR 23.12-41.12-10	23.12 X 41.12 X 5.37	19
SL RSR 23.62-41.62-12	23.62 X 41.62 X 5.37	19	12	SL RSR 23.12-41.12-12	23.12 X 41.12 X 5.37	19
SL RSR 23.62-47.62-10	23.62 x 47.62 x 5.37	20	10	SL RSR 23.12-47.12-10	23.12 x 47.12 x 5.37	20
SL RSR 23.62-47.62-12	23.62 x 47.62 x 5.37	20	12	SL RSR 23.12-47.12-12	23.12 x 47.12 x 5.37	20

DATA NOTES:

Filters supplied separately. 'H' or Height dimension includes overall height of frame.
Add 2" for duct connection collar. Please contact factory for additional options and configurations.

Common Filter Selections

Size	Model Description	Dimensions			Metric Dimensions W x L x H	Screen Material	Initial Resistance (@ 100 fpm)	Weight (lbs.)
		Width (inches)	Length (inches)	Height (inches)				
99.995% efficient 45mm Megalam EnerGuard for life sciences								
2x2	N2220.75-20.75D1-32-VU-00-12-0	20.75	20.75	3.50	527x527x89	N/A	0.36"	10.4
2x4	N2220.75-44.75D1-32-VU-00-12-0	20.75	44.75	3.50	527x1137x89	N/A	0.36"	16.5
99.995% efficient 45mm Megalam EnerGuard for microelectronics								
2x2	N2620.75-20.75D1-32-VU-00-12-0	20.75	20.75	3.50	527x527x89	N/A	0.48"	10.4
2x4	N2620.75-44.75D1-32-VU-00-12-0	20.75	44.75	3.50	527x1137x89	N/A	0.48"	16.5
99.99% efficient 53mm Megalam with micro glass fiber media								
2x2	P5-20.75-20.75-4-32-VU-7D-12-0	20.75	20.75	3.5	527x527x89	Stainless Steel	0.45"	13.4
2x2	P5-20.75-20.75-4-32-VU-1D-12-0	20.75	20.75	3.5	527x527x89	White Powder Coated Expanded Steel	0.45"	12.4
2x4	P5-20.75-44.75-4-32-VU-7D-12-0	20.75	44.75	3.5	527x1137x89	Stainless Steel	0.45"	22.0
2x4	P5-20.75-44.75-4-32-VU-1D-12-0	20.75	44.75	3.5	527x1137x89	White Powder Coated Expanded Steel	0.45"	20.0

DATA NOTES:

For life sciences applications, when aerosol challenging is required, Camfil recommends a challenge concentration of 15-20 µg/l.
For microelectronics applications, the Megalam EnerGuard should NOT be challenged with oil aerosols, but polystyrene latex (PSL) spheres.
Add 2" for duct connection collar. Please contact factory for additional options and configurations.

Camfil Slimline RSR Specification

1.0 General

1.1 - Filter housing shall include anodized aluminum module, offset filter knife-edge for gel seal filter mating, stainless steel mounting hardware and adjustable air diffusion disc.

1.2 - Sizes shall be as noted on drawings or other supporting materials.

2.0 Construction

2.1 - Primary housing components shall be constructed of anodized aluminum framing material, aluminum back plate and aluminum diffusion disk.

Unit shall be designed for installation into T-Bar ceiling grid or a gypsum/plaster ceiling.

2.2 - The housing shall include a chamfered detail along the room side opening to

receive a mating flange along the downstream side of the filter. The mating surface shall form a continuous flush fit free of gaps.

2.3 - The housing shall include an offset knife-edge to interface with a gel seal filter.

2.4 - Stainless steel mounting hardware shall facilitate convenient servicing of the module from the room side of the housing.

2.5 - The housing shall include an integral diffusion disc that allows filter-to-filter balancing from room side of module without removal of the filter.

2.6 - Housing shall be supplied with a (10", 12")* collar for duct connection to air system. The collar shall include an integral continuous raised ridge to assist in securing flexible duct.

* Items in parentheses () require selection.

For detailed specifications please consult your local Camfil Distributor, Representative or www.camfil.us.

Camfil has a policy of uninterrupted research, development, and product improvement. We reserve the right to change designs and specifications without notice.



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