

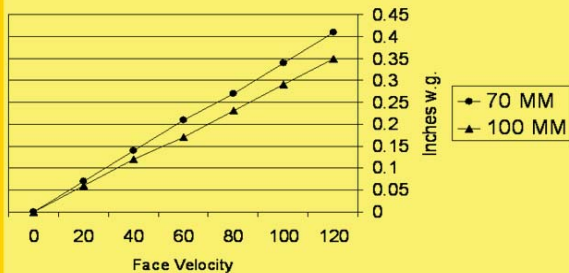
megalam[®] terminal diffuser

Ducted HEPA/ULPA replaceable terminal filter module.



A light weight, compact ducted filter module with a lower pressure drop and lower life-cycle cost.

Pressure Drop Megalam HEPA



The Camfil Farr Megalam[®] Terminal Diffuser module is ideal for applications where clean air is a requirement to protect products, people, and the environment. The Camfil Farr Megalam Terminal Diffuser module offers:

- High efficiency leak free particulate control. Available efficiencies include 95% or 99.99% when evaluated on particles 0.3 micron and 99.9995% when evaluated on most penetrating particle size (MPPS). Each filter is tested using Camfil Farr's exclusive AUTO-SCAN[™] automated leak detection system.
- A filter pack that is encapsulated on all four sides using Camfil Farr's CamPure[™] polyurethane sealant. CamPure is thermally/chemically stable to ensure minimal out-gassing and maintains excellent mechanical properties ensuring high-purity air for the most demanding environments over the life of the filter.
- A media configuration that is optimized through Controlled Media Spacing (CMS[™]) resulting in a lower pressure drop than other media pleating techniques. Continuous glass filament separators, encapsulated in a stabilizing adhesive, promote uniform airflow while eliminating media to media contact and fiber break-off associated with other media pleating techniques.
- Light weight extruded aluminum profiles joined at the corners with Camfil Farr's exclusive Klip-Lok[™] mechanism forming a robust and durable module for long lasting integrity. Seismic tabs are included.
- A galvanized steel hood with a duct collar connection that mates to the frame to form a rigid module. Available with either a 10" or 12" connection the duct collar includes an integral continuous raised ridge to assist in securing flexible ducting.
- An adjustable diffusion disc that promotes uniform airflow over the entire filter and allows filter-to-filter air balancing. Room side adjustment is accomplished through a port in the center divider. An additional port is included for pressure drop and/or aerosol concentration measurement.
- An integral white epoxy powder-coated steel grille with 62% open area to promote proper airflow and protect the filter element.



Camfil Farr	Product sheet
Megalam [®] Terminal Diffuser	3217 - 0307
Camfil Farr - clean air solutions	

PERFORMANCE DATA
70 mm Pack Depth

MEGALAM® TEMINAL DIFFUSER

Description	Actual Size (Inches)			Resistance @ 100 fpm (inches w.g.)	Module Weight (lbs)	Shipping Weight (lbs)
	Width	Length	Height			
Efficiency: 95% @ 0.3 micron						
D4-23.62-23.62--8-13-00-00-32-*	23.62	23.62	5.92	0.25	23.3	24.5
D4-23.62-41.62--8-13-00-00-32-*	23.62	41.62			34.5	36.5
D4-23.62-47.62--8-13-00-00-32-*	23.62	47.62			38.3	40.8
Efficiency: 99.99% @ 0.3 micron						
D5-23.62-23.62--8-13-00-00-32-*	23.62	23.62	5.92	0.40	23.3	24.5
D5-23.62-41.62--8-13-00-00-32-*	23.62	41.62			34.5	36.5
D5-23.62-47.62--8-13-00-00-32-*	23.62	47.62			38.3	40.8
Efficiency: 99.9995% @ most penetrating particle size(MPPS)						
DX-23.62-23.62--8-13-00-00-32-*	23.62	23.62	5.92	0.50	23.3	24.5
DX-23.62-41.62--8-13-00-00-32-*	23.62	41.62			34.5	36.5
DX-23.62-47.62--8-13-00-00-32-*	23.62	47.62			38.3	40.8

100 mm Pack Depth

Description	Actual Size (Inches)			Resistance @ 100 fpm (inches w.g.)	Module Weight (lbs)	Shipping Weight (lbs)
	Width	Length	Height			
Efficiency: 95% @ 0.3 micron						
D4-23.62-23.62--8-13-00-00-32-*	23.62	23.62	5.92	0.25	23.3	24.5
D4-23.62-41.62--8-13-00-00-32-*	23.62	41.62			34.5	36.5
D4-23.62-47.62--8-13-00-00-32-*	23.62	47.62			38.3	40.8
Efficiency: 99.99% @ 0.3 micron						
D5-23.62-23.62--8-13-00-00-32-*	23.62	23.62	5.92	0.40	23.3	24.5
D5-23.62-41.62--8-13-00-00-32-*	23.62	41.62			34.5	36.5
D5-23.62-47.62--8-13-00-00-32-*	23.62	47.62			38.3	40.8
Efficiency: 99.9995% @ most penetrating particle size(MPPS)						
DX-23.62-23.62--8-13-00-00-32-*	23.62	23.62	5.92	0.50	23.3	24.5
DX-23.62-41.62--8-13-00-00-32-*	23.62	41.62			34.5	36.5
DX-23.62-47.62--8-13-00-00-32-*	23.62	47.62			38.3	40.8

DATA NOTES:

Replace * with P for 10" collar, or Q for 12" collar.
 "H" or height dimension includes overall height of module. Add 1-1/2" for collar.
 Shipping Weight based on single pack.

SPECIFICATIONS

1.0 General

1.1 - Unit shall be terminal diffuser module consisting of anodized aluminum frame, a galvanized steel back plate, micro glass fiber media pack, polyurethane encapsulating sealant with center divider and dual access ports.

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

2.0 Construction

2.1 - Enclosing frame shall be constructed of heavy-duty anodized aluminum profiles, secured at the corners, and mated to a galvanized steel back plate creating a rigid and durable filter enclosure.

2.2 -The media pack shall have a maximum depth of (70 MM, 100MM)and shall have an efficiency of (95 @ 0.3 micron, 99.99% @ 0.3 micron, 99.9995% @ MPPS).'

2.3 - Pleat spacing shall be by continuous glass filament separators to prevent media-to-media contact and promote uniform airflow through the media pack.

2.4 - The media pack shall be encapsulated on all four sides in a polyurethane sealant creating a rigid self supporting pack. The sealant shall be low out gassing, fire-retardant and self-extinguishing.

2.5 - The module shall include an adjustable airflow diffusion disc that is adjustable from the room side through an access port.

2.6 - A second port, accessible from the room side, shall be provided to facilitate aerosol concentration or pressure drop measurement.

2.7 - Housing shall be supplied with a ("10", 12") collar that includes an integral continuous raised ridge for duct connection to air system.

3.0 Performance

3.1 - The filter shall be identified on a label indicating tested volumetric airflow, minimum efficiency and pressure drop. The unit shall be bar code serialized for individual unit identification.

3.2 - The module shall be listed by Underwriters Laboratories as UL 900.

* Items in parentheses () require selection.

Camfil Farr 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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