

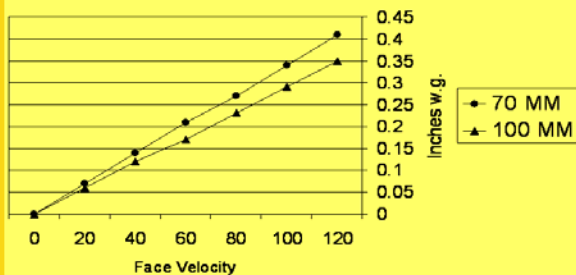
megalam[®] terminal diffuser

Ducted HEPA/ULPA Filter Module



Light weight, compact, ducted filter module with 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 MPPS¹. 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 measurement and/or aerosol challenge introduction.
- An integral white epoxy powder-coated steel grille with 62% open area to promote proper airflow and protect the filter element.

¹MPPS - Most Penetrating Particle Size



Camfil Farr	Product sheet
Megalam Terminal Diffuser Module	3217 - 0704
Camfil Farr—clean air solutions	

PERFORMANCE DATA

MEGALAM® TERMINAL DIFFUSER MODULES

70 mm Pack Depth

Description	Actual Size (Inches)			Resistance @ 100 fpm (inches w.g.)	Unit Weight	Shipping ² Weight
	W	L	H			
95% @ 0.3 micron						
D4 -23.62-23.62-8-13-00-00-32-*	23-5/8	23-5/8	5.92	0.25	23.3	24.5
D4 -23.62-41.62-8-13-00-00-32-*	23-5/8	41-5/8			34.5	36.8
D4 -23.62-47.62-8-13-00-00-32-*	23-5/8	47-5/8			38.3	40.8
HEPA, 99.99% @ 0.3 micron						
D5 -23.62-23.62-8-13-00-00-32-*	23-5/8	23-5/8	5.92	0.40	23.3	24.5
D5 -23.62-41.62-8-13-00-00-32-*	23-5/8	41-5/8			34.5	36.8
D5 -23.62-47.62-8-13-00-00-32-*	23-5/8	47-5/8			38.3	40.8
ULPA, 99.9995% @ MPPS ¹						
DX -23.62-23.62-8-13-00-00-32-*	23-5/8	23-5/8	5.92	0.50	23.3	24.5
DX -23.62-41.62-8-13-00-00-32-*	23-5/8	41-5/8			34.5	36.8
DX -23.62-47.62-8-13-00-00-32-*	23-5/8	47-5/8			38.3	40.8

100 mm Pack Depth

Description	Actual Size (Inches)			Resistance @ 100 fpm (inches w.g.)	Unit Weight	Shipping ² Weight
	W	L	H			
95% @ 0.3 micron						
D4 -23.62-23.62-B-33-00-00-62-*	23-5/8	23-5/8	7.21	0.20	30.7	32.0
D4 -23.62-41.62-B-33-00-00-62-*	23-5/8	41-5/8			46.5	48.8
D4 -23.62-47.62-B-33-00-00-62-*	23-5/8	47-5/8			52.0	54.6
HEPA, 99.99% @ 0.3 micron						
D5 -23.62-23.62-B-33-00-00-62-*	23-5/8	23-5/8	7.21	0.31	30.7	32.0
D5 -23.62-41.62-B-33-00-00-62-*	23-5/8	41-5/8			46.5	48.8
D5 -23.62-47.62-B-33-00-00-62-*	23-5/8	47-5/8			52.0	54.6
ULPA, 99.9995% @ MPPS ¹						
DX -23.62-23.62-B-33-00-00-62-*	23-5/8	23-5/8	7.21	0.38	30.7	32.0
DX -23.62-41.62-B-33-00-00-62-*	23-5/8	41-5/8			46.5	48.8
DX -23.62-47.62-B-33-00-00-62-*	23-5/8	47-5/8			52.0	54.6

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
¹ MPPS - Most Penetrating Particle Size
² 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).¹
- 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 allow aerosol test challenge introduction 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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